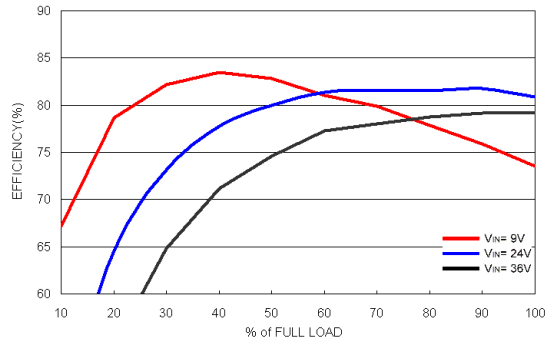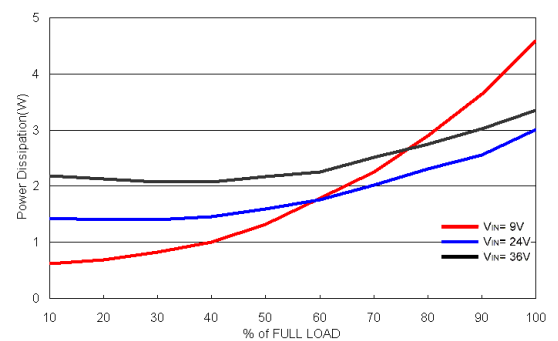# TRACO POWER

Characteristic Curves

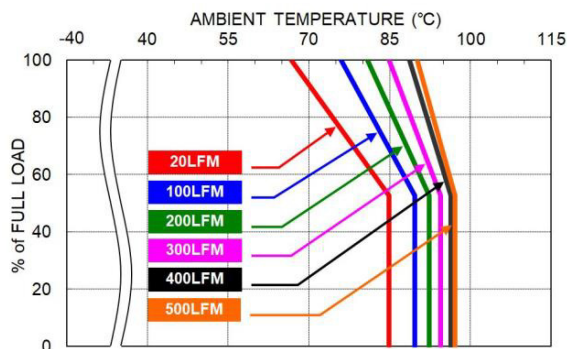### Optional model with 24 Vin and 1.5 Vout

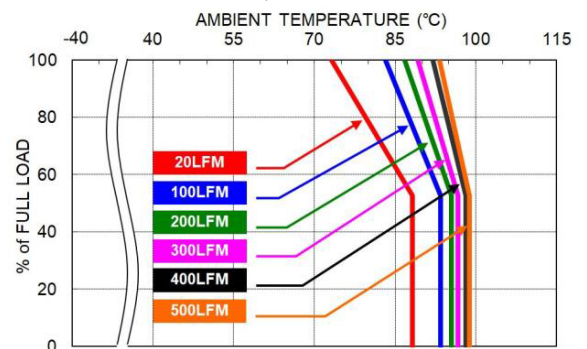Efficiency versus Output Load

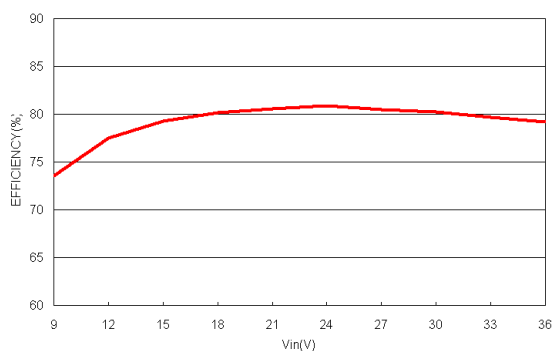Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

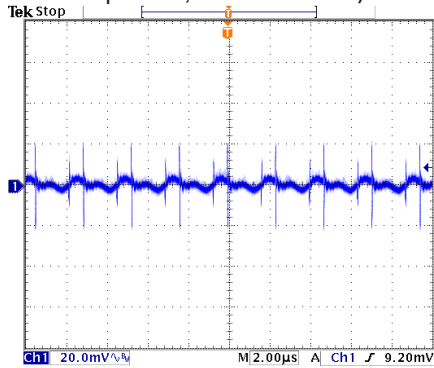Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)
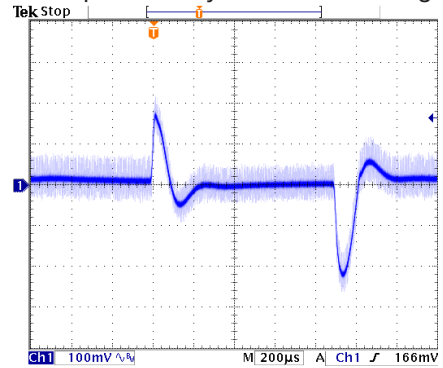

Efficiency versus Input Voltage

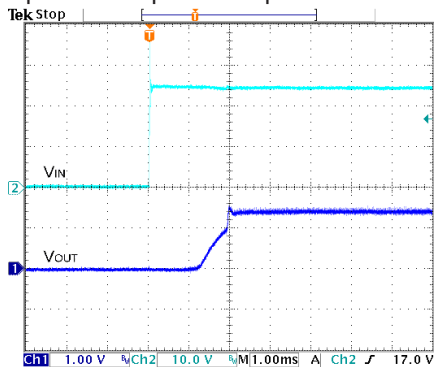## Optional model with 24 Vin and 1.5 Vout

Typical Output Ripple and Noise
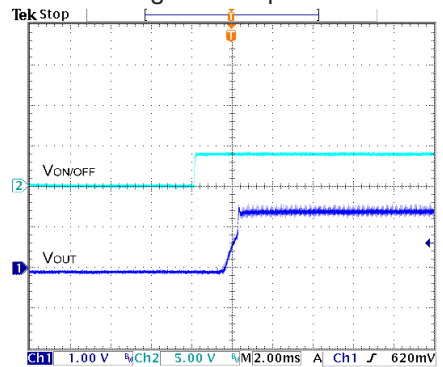(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

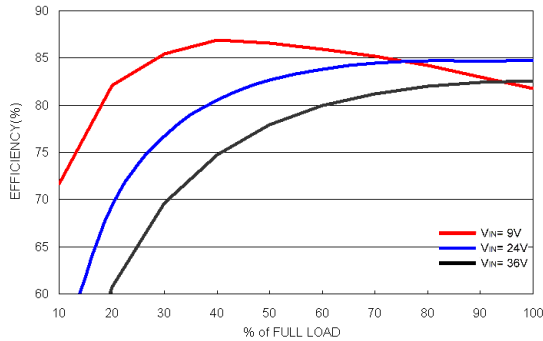Typical Input Start-Up and Output Rise Characteristic
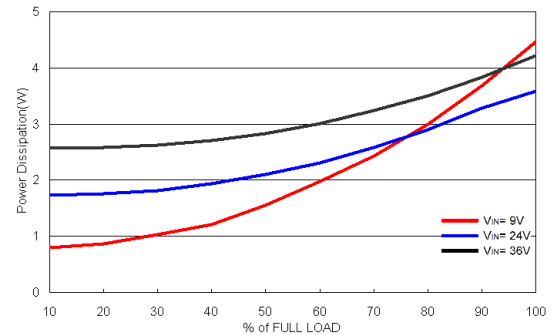

Remote on/off Voltage Start-Up Characteristic

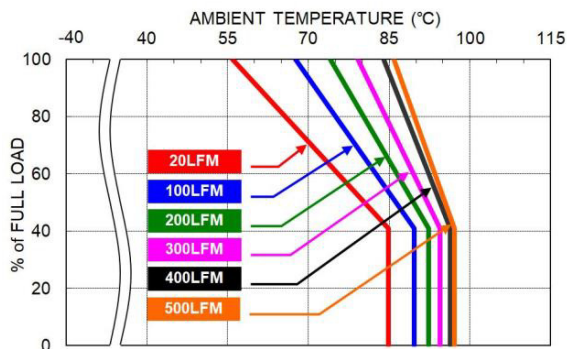## Optional model with 24 Vin and 2.5 Vout

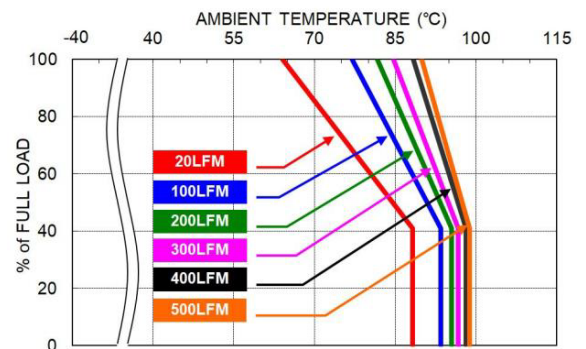Efficiency versus Output Load

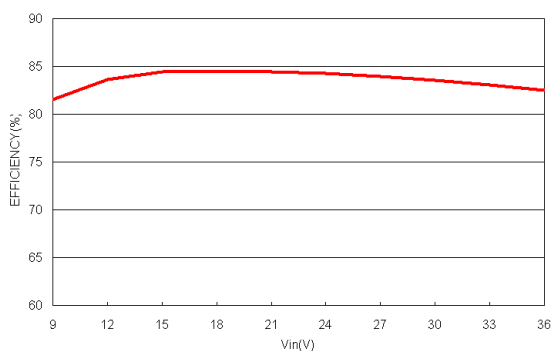Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature
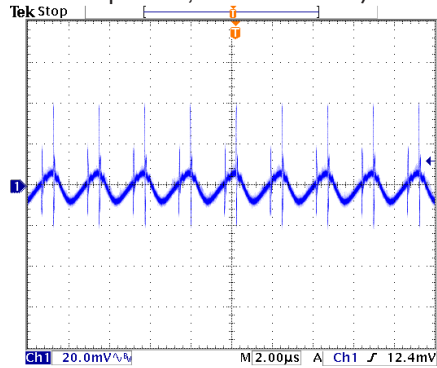(with Heatsink TEN-HS1)
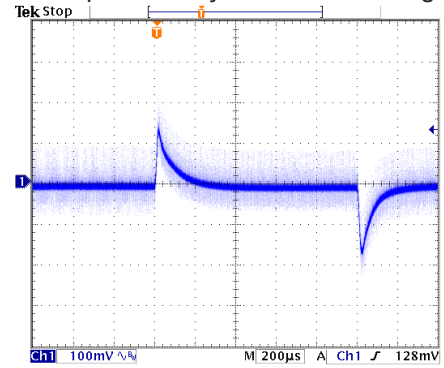

Efficiency versus Input Voltage
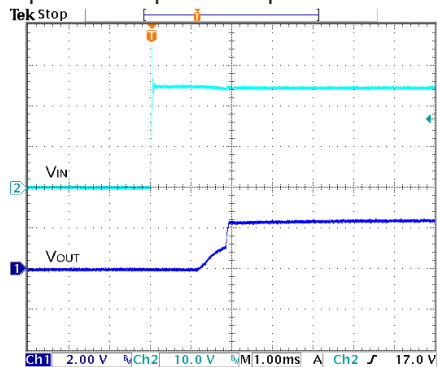
Optional model with 24 Vin and 2.5 Vout

Typical Output Ripple and Noise
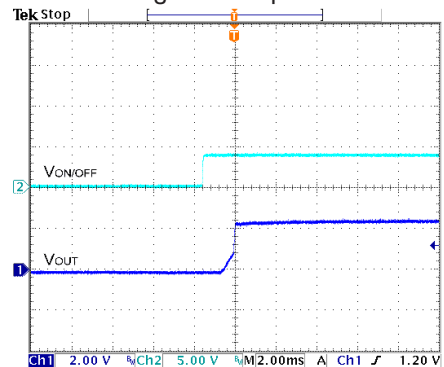(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

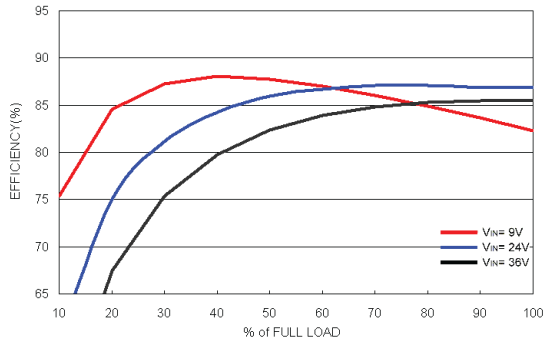Typical Input Start-Up and Output Rise Characteristic

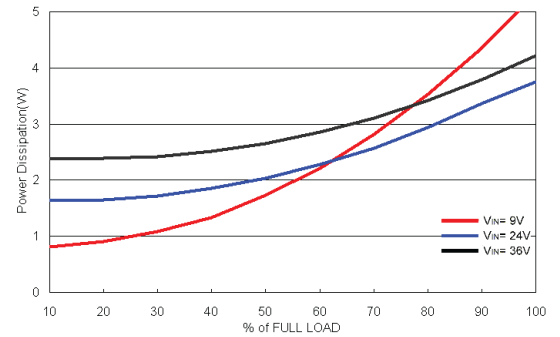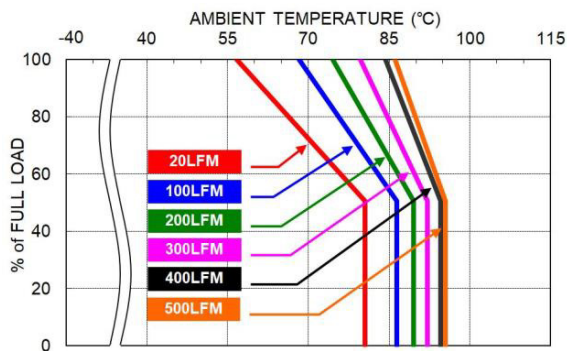Remote on/off Voltage Start-Up Characteristic

TEN 30-2410WIN
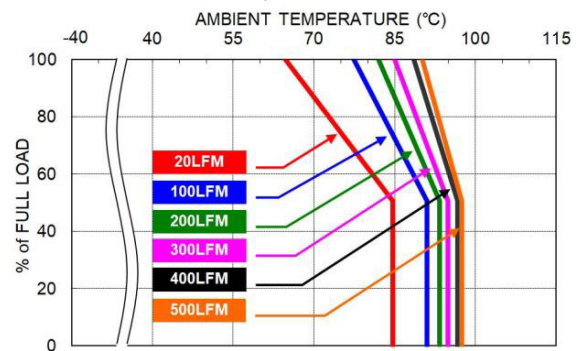
Efficiency versus Output Load

Power Dissipation versus Output Load
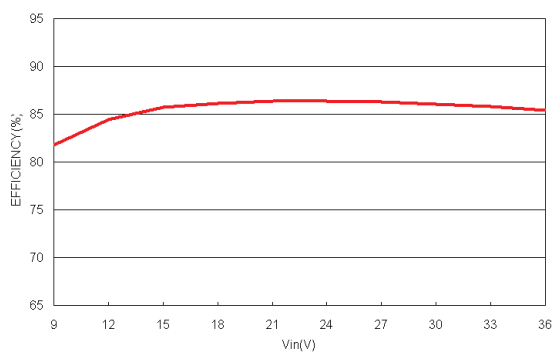

Derating Output Load versus Ambient Temperature

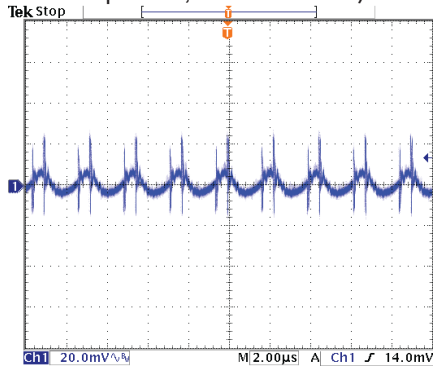### Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)

Efficiency versus Input Voltage
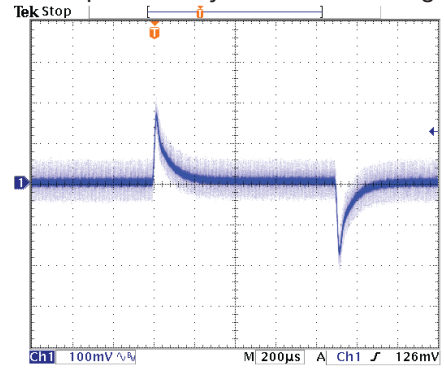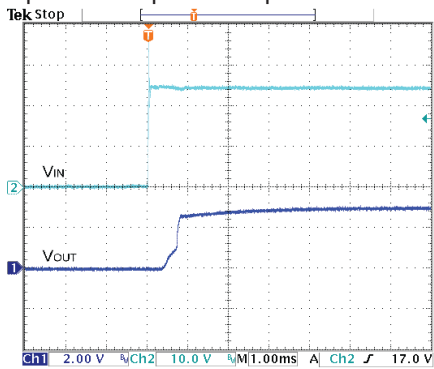
TRACO POWER

TEN 30-2410WIN

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

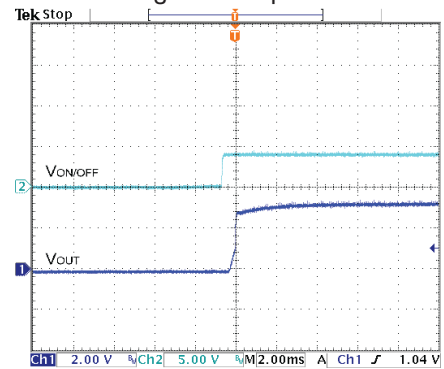Transient Response to Dynamic Load Change (25%)

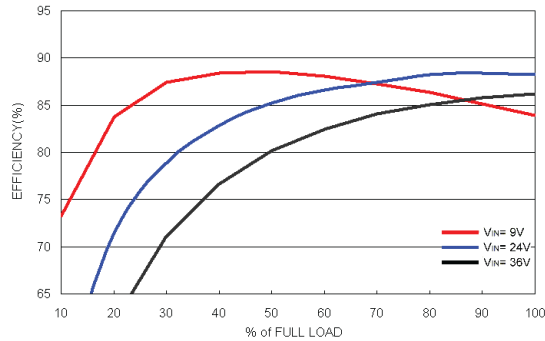Typical Input Start-Up and Output Rise Characteristic

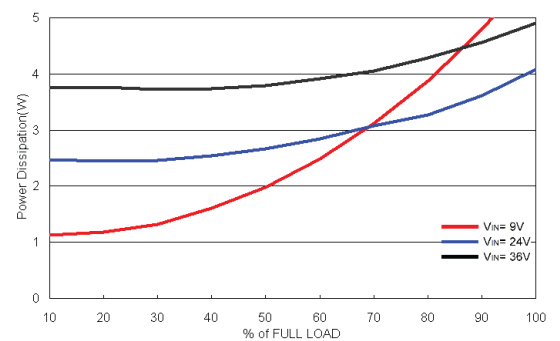Remote on/off Voltage Start-Up Characteristic

TRACO POWER

TEN 30-2411WIN

Efficiency versus Output Load

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)

Efficiency versus Input Voltage

TEN 30-2411WIN

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

Typical Input Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic
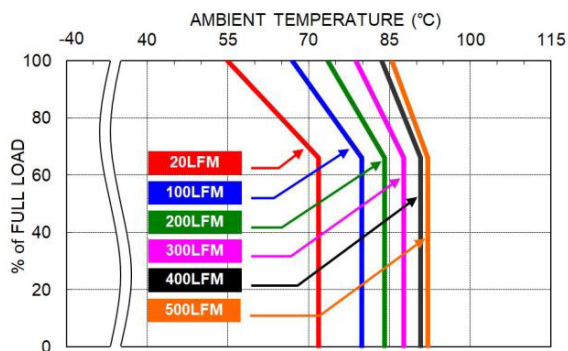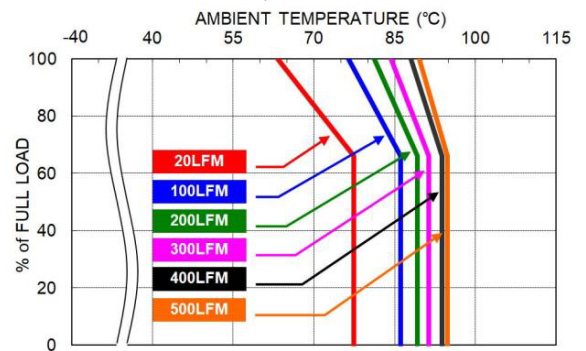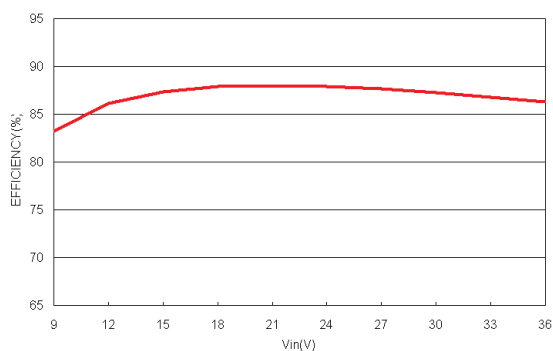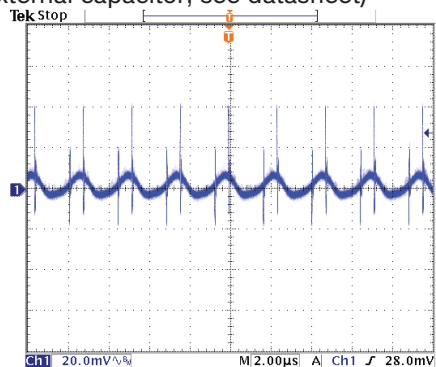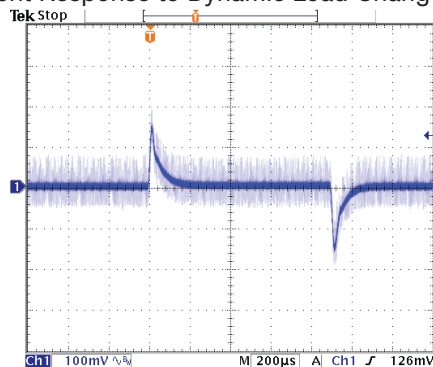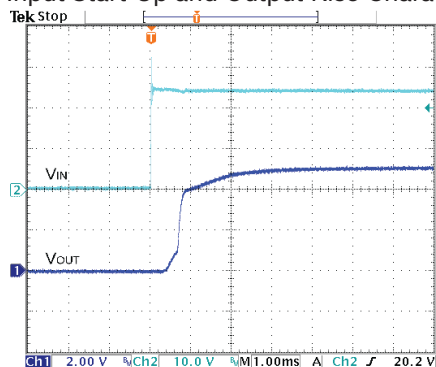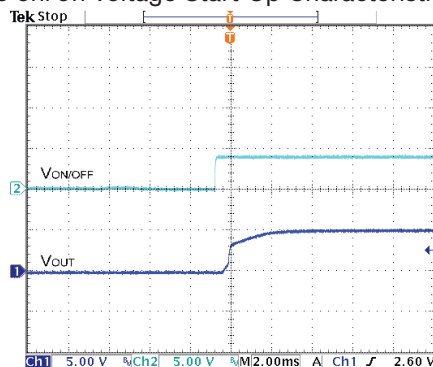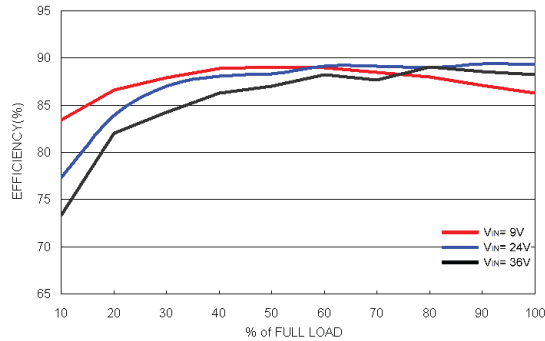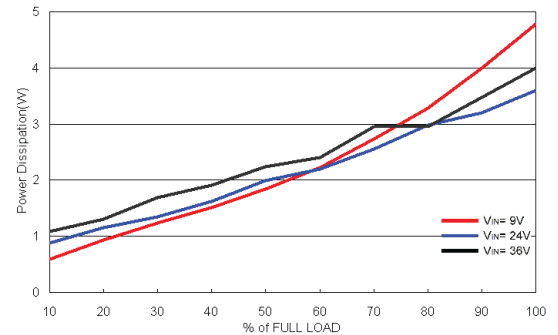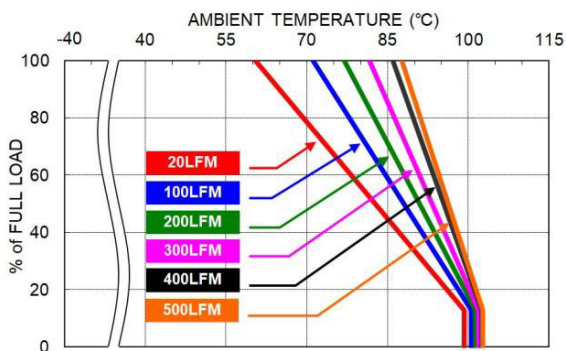
III TRACO POWER

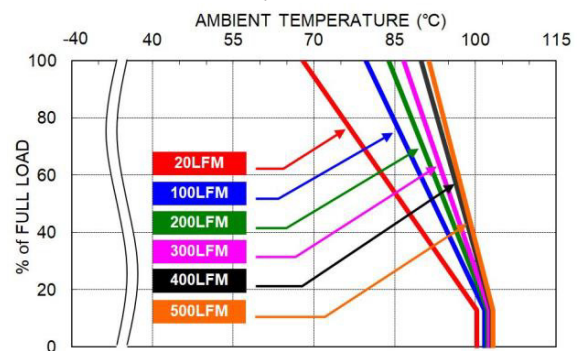## TEN 30-2412WIN

Efficiency versus Output Load

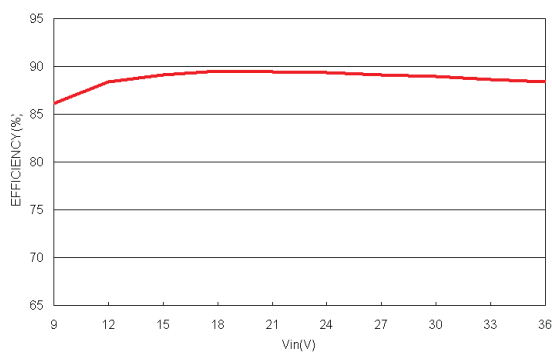Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)
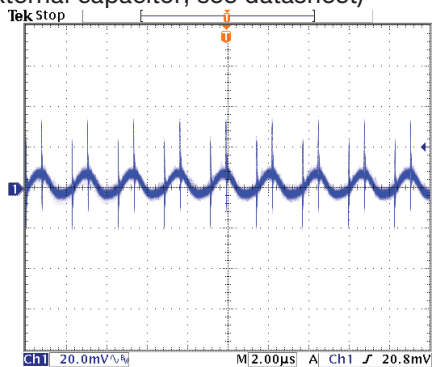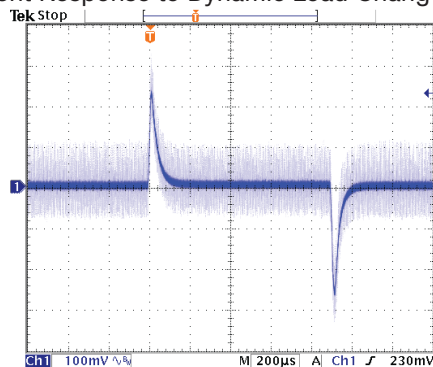

Efficiency versus Input Voltage
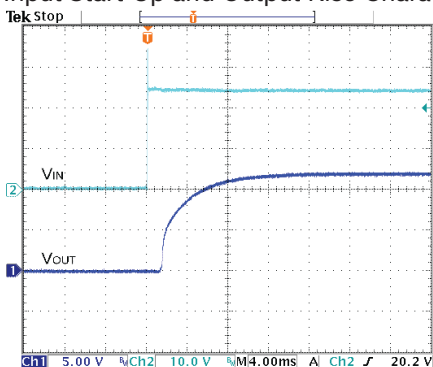
TEN 30-2412WIN

Typical Output Ripple and Noise
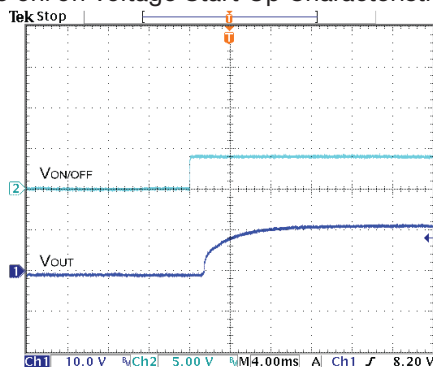(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)
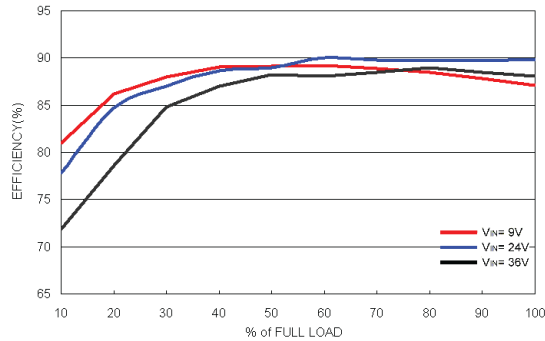

Typical Input Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic
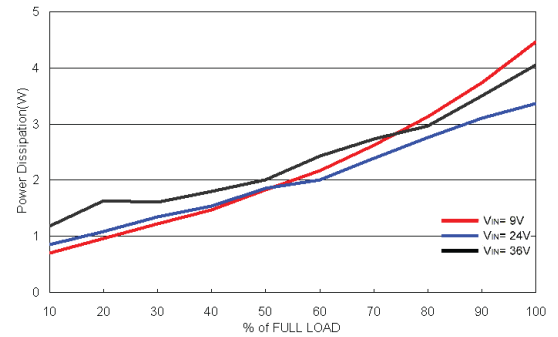
III TRACO POWER
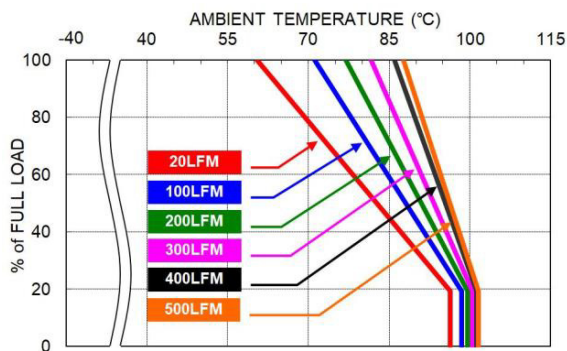
TEN 30-2413WIN

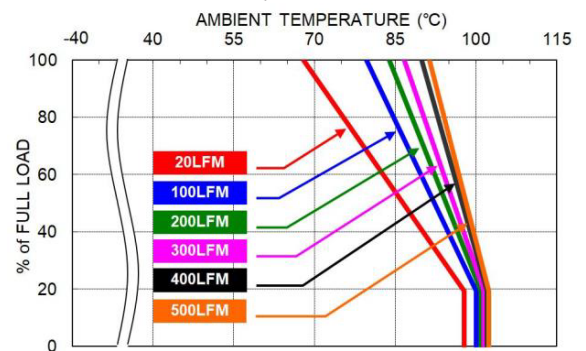Efficiency versus Output Load

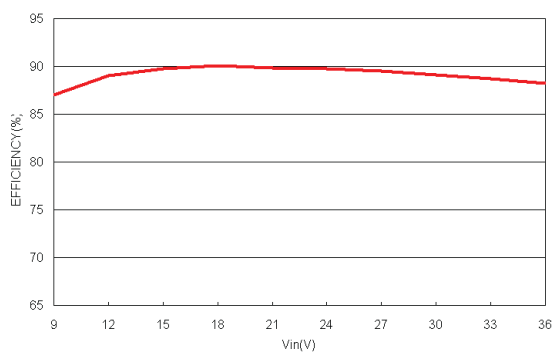Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature
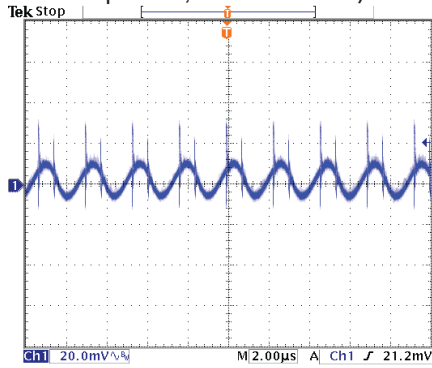(with Heatsink TEN-HS1)

Efficiency versus Input Voltage
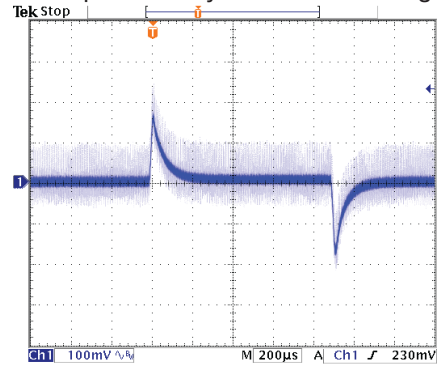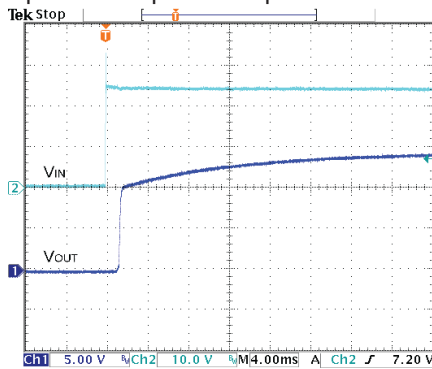
TRACO POWER

TEN 30-2413WIN

Typical Output Ripple and Noise
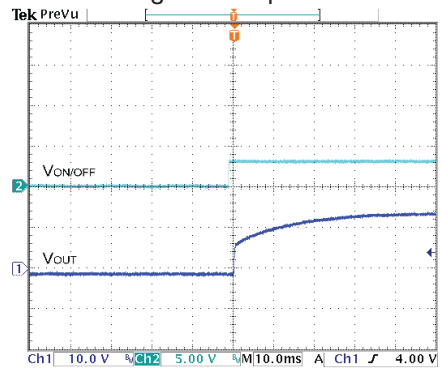(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

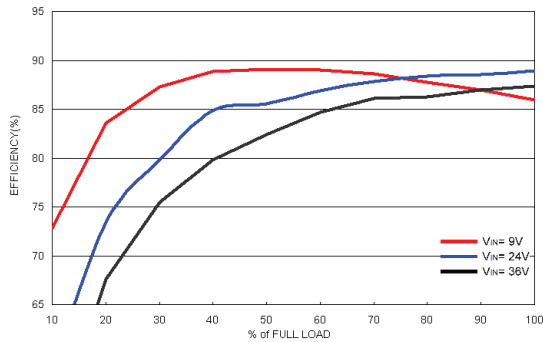Typical Input Start-Up and Output Rise Characteristic
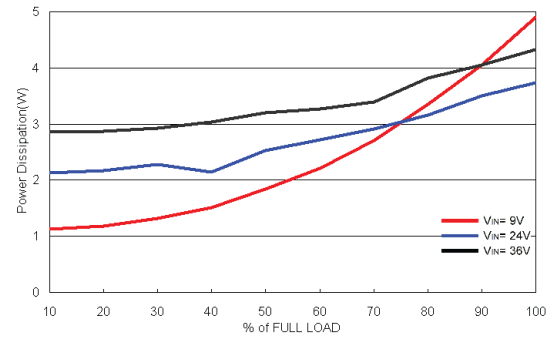
Remote on/off Voltage Start-Up Characteristic

TRACO POWER

TEN 30-2421WIN

Efficiency versus Output Load

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)

Efficiency versus Input Voltage

TEN 30-2421WIN

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

Typical Input Start-Up and Output Rise Characteristic

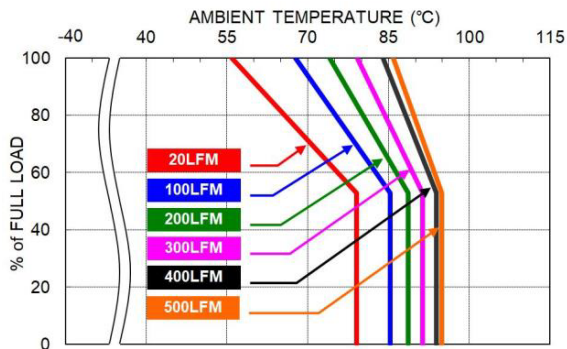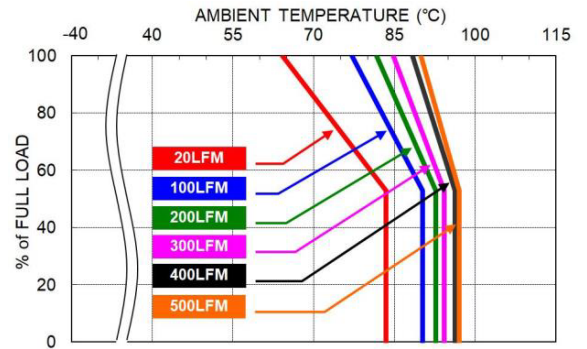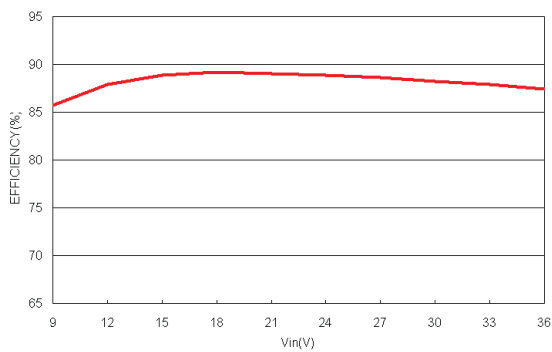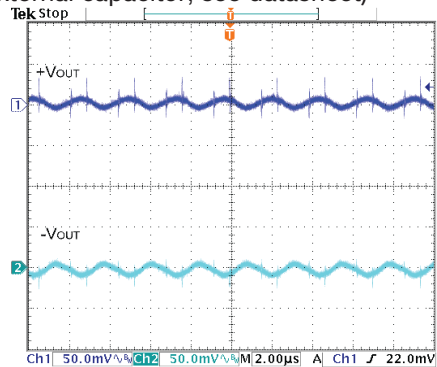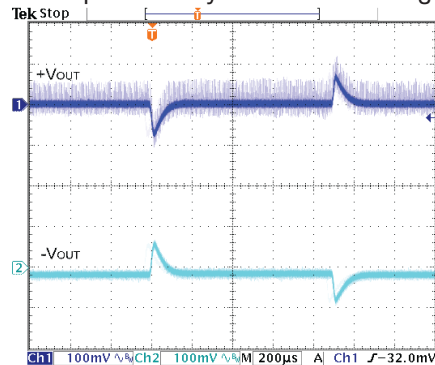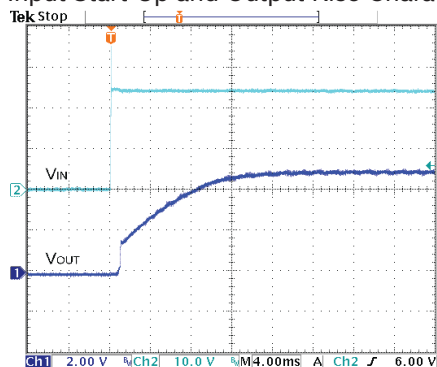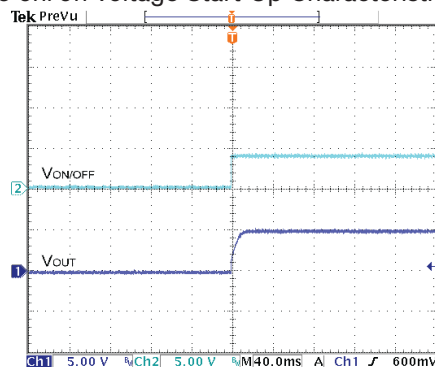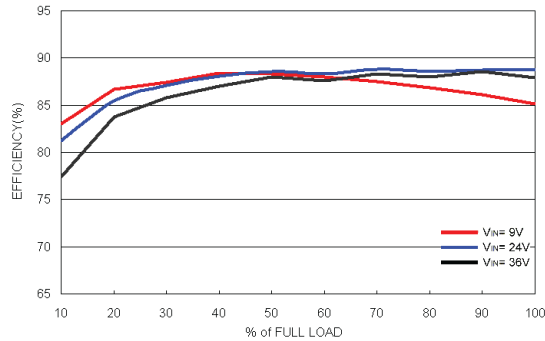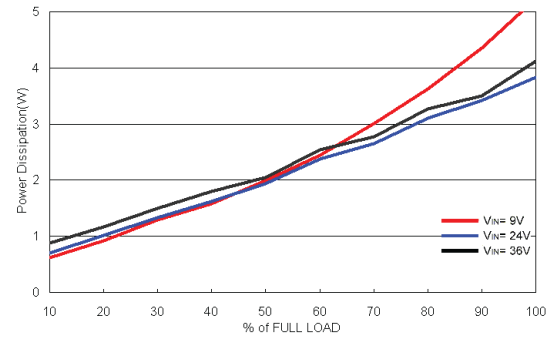Remote on/off Voltage Start-Up Characteristic

TEN 30-2422WIN

Efficiency versus Output Load

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)

Efficiency versus Input Voltage

TEN 30-2422WIN

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

Typical Input Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic
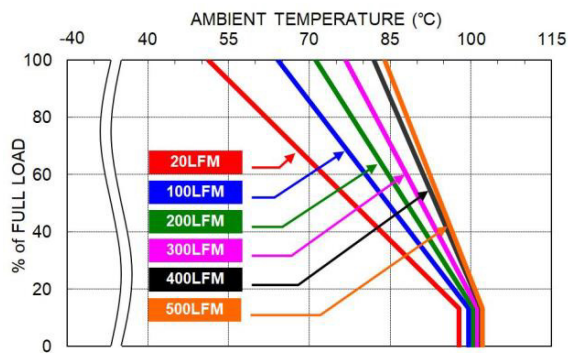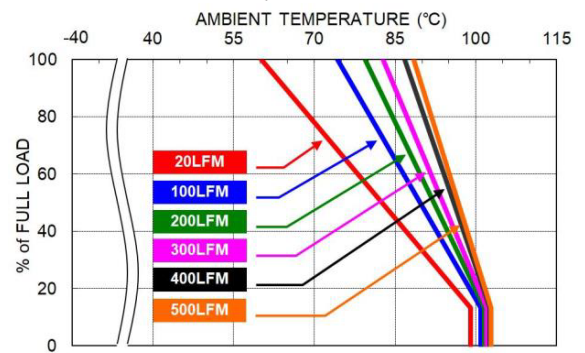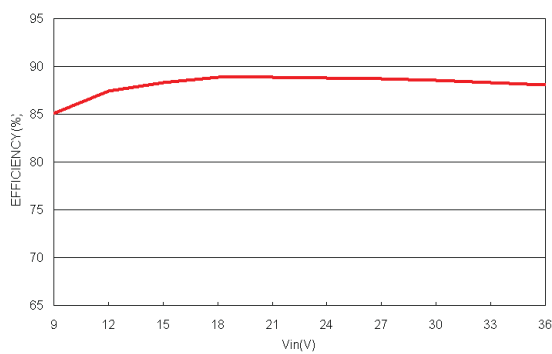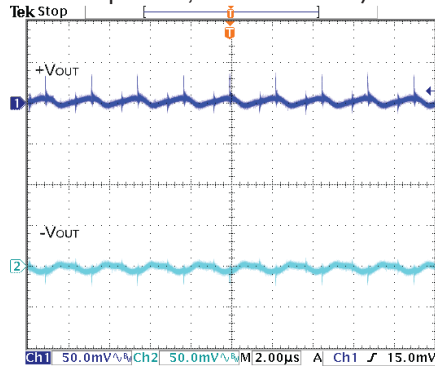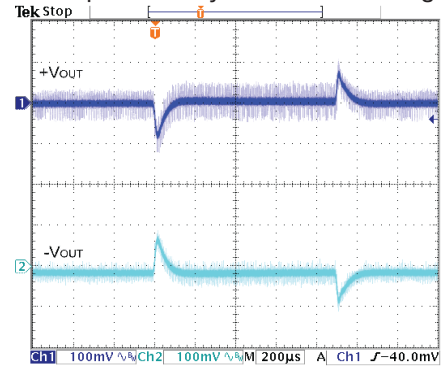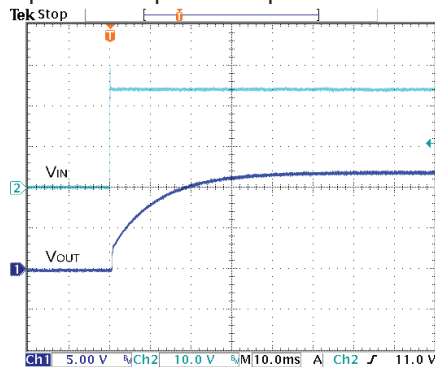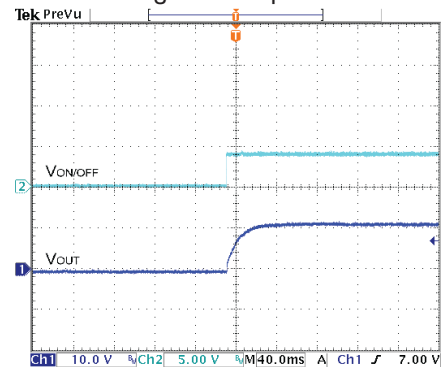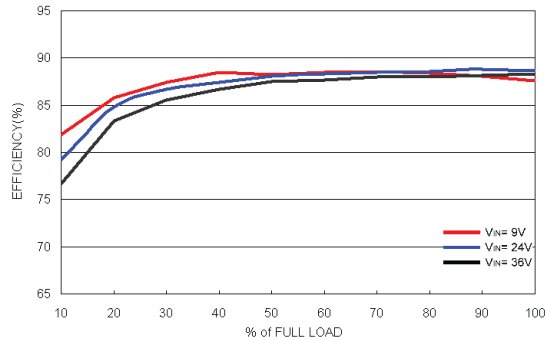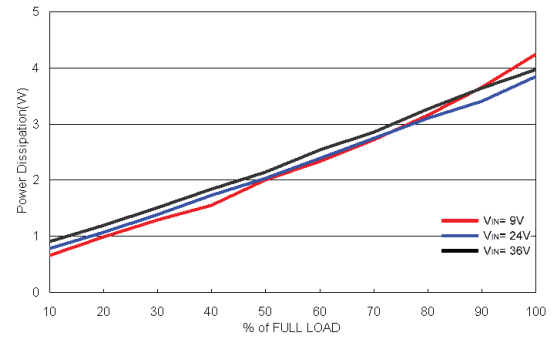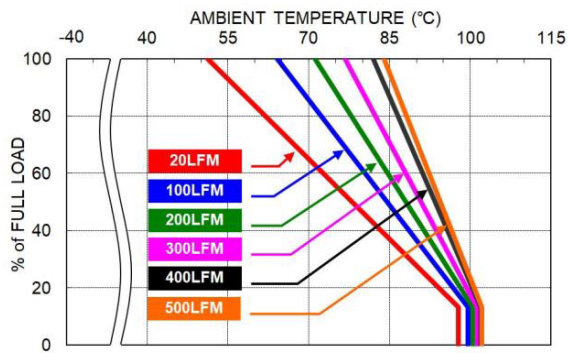
TRACO POWER

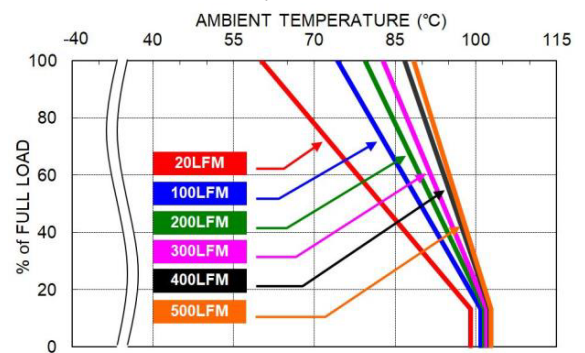## TEN 30-2423WIN

Efficiency versus Output Load

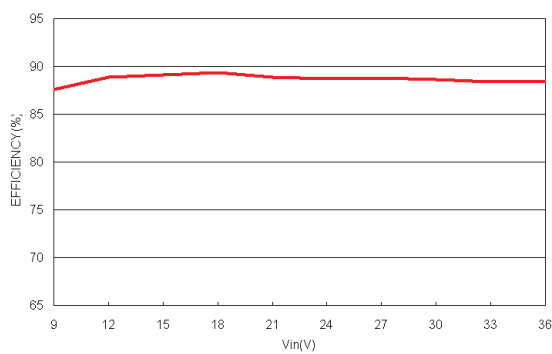Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

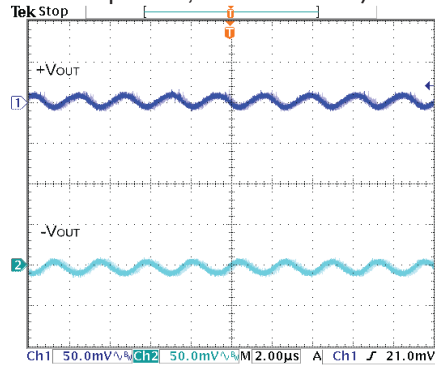Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)

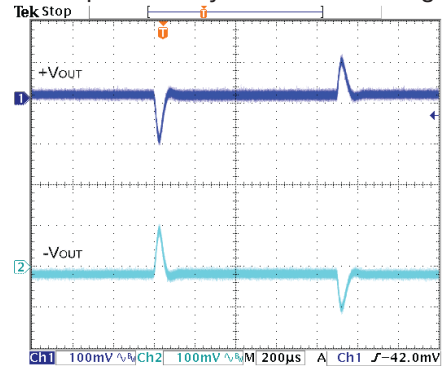

Efficiency versus Input Voltage
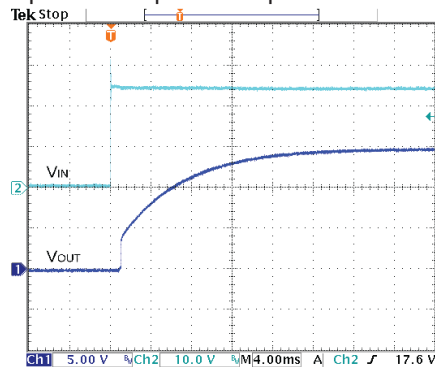
TEN 30-2423WIN

Typical Output Ripple and Noise
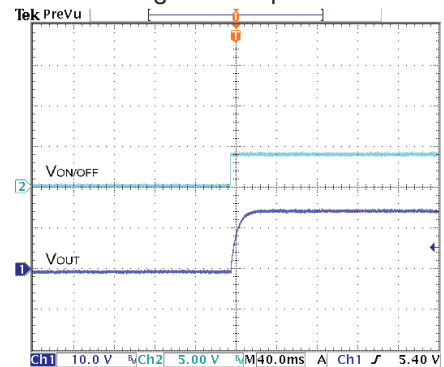(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)
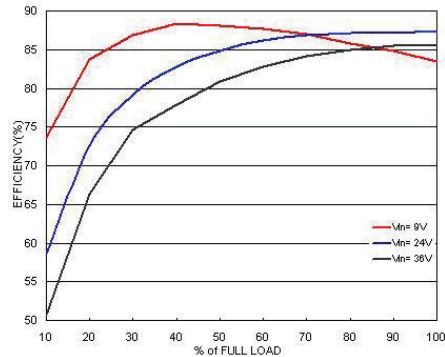
Typical Input Start-Up and Output Rise Characteristic

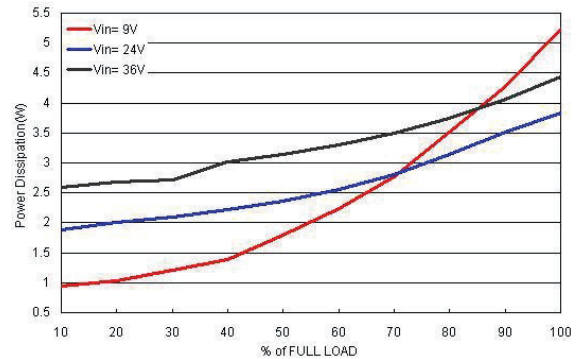Remote on/off Voltage Start-Up Characteristic
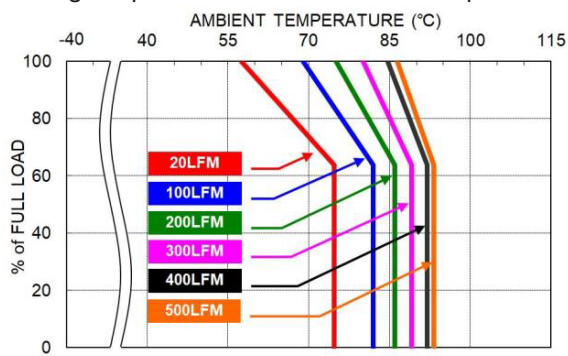
TEN 30-2433WIN

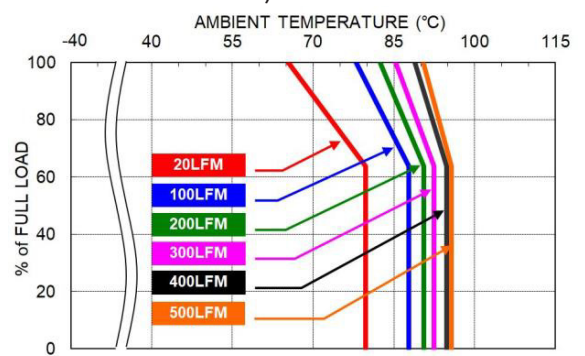Efficiency versus Output Load

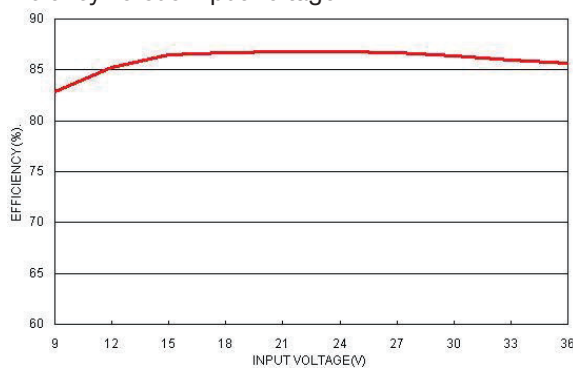
Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature
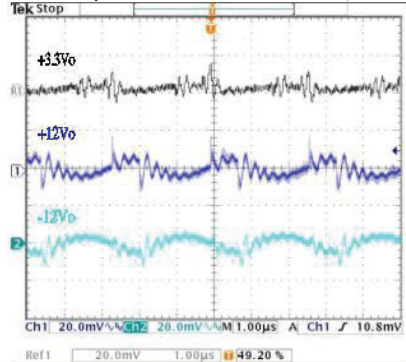(with Heatsink TEN-HS1)
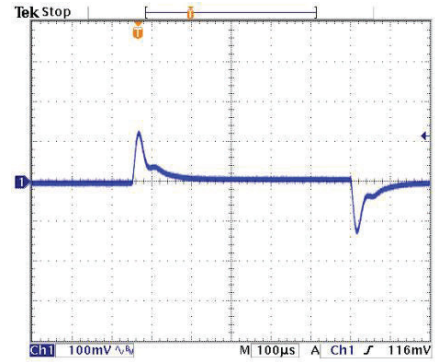

Efficiency versus Input Voltage
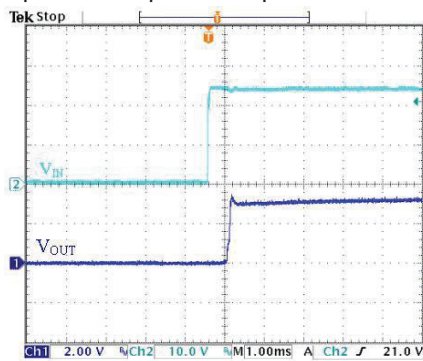
TEN 30-2433WIN

Typical Output Ripple and Noise
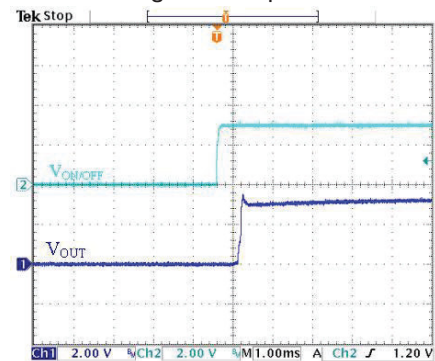(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)
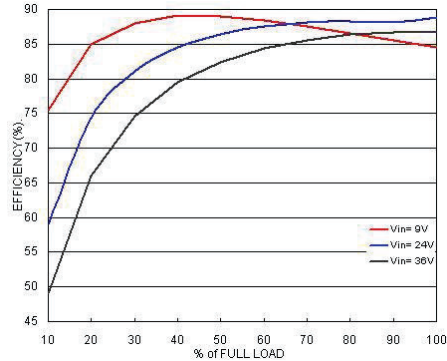

Typical Input Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic
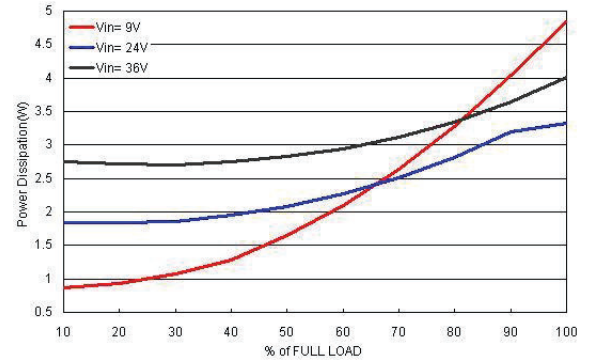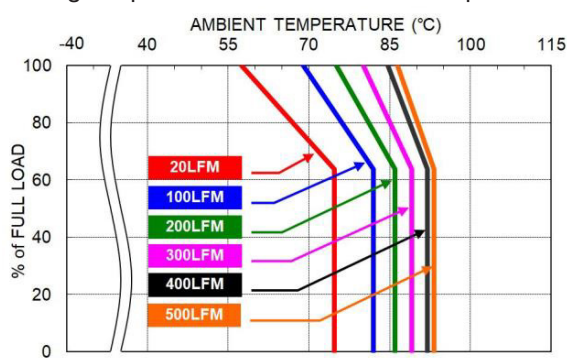
III TRACO POWER

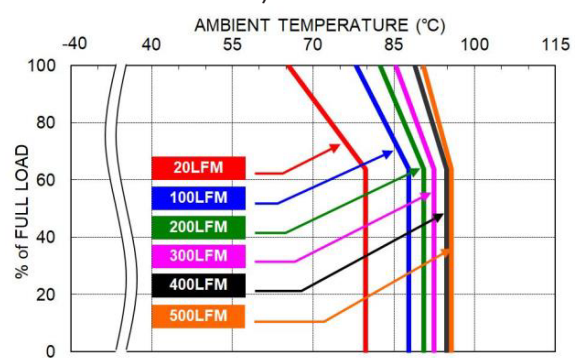## TEN 30-2434WIN

Efficiency versus Output Load

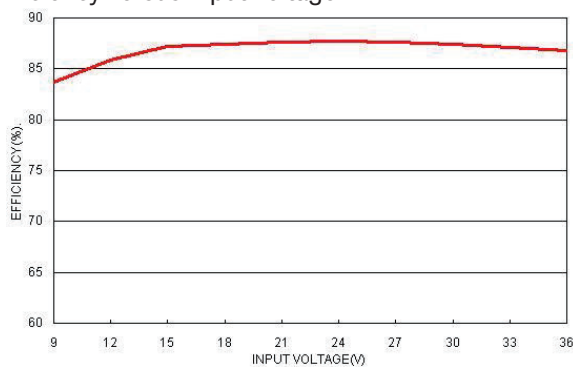Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature
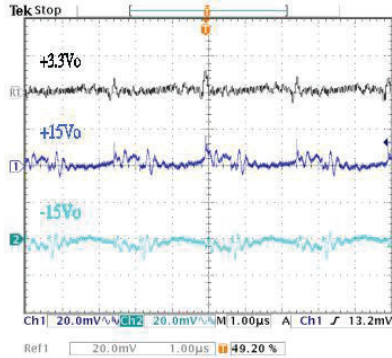(with Heatsink TEN-HS1)
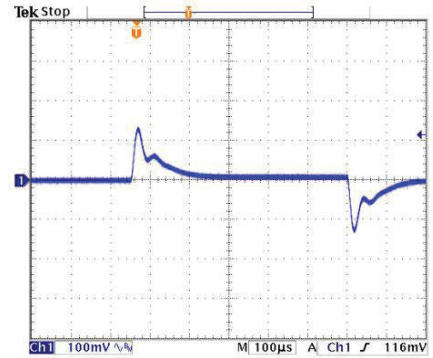

Efficiency versus Input Voltage
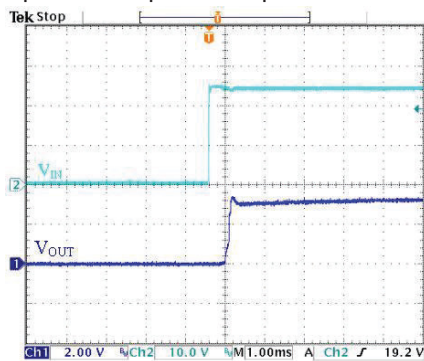
TEN 30-2434WIN

Typical Output Ripple and Noise
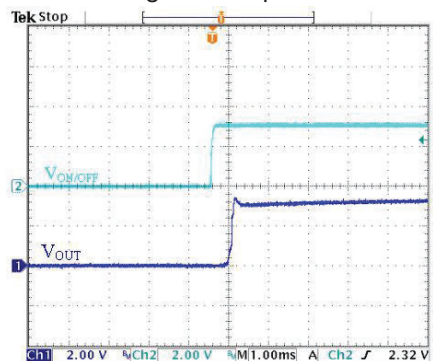(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)
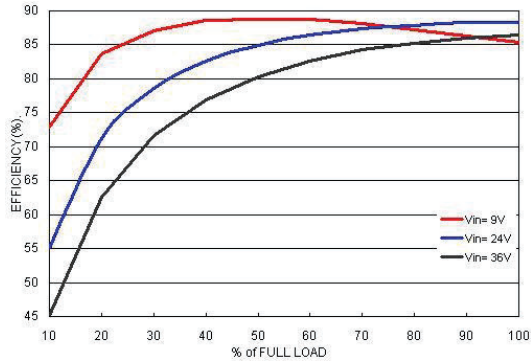
Typical Input Start-Up and Output Rise Characteristic

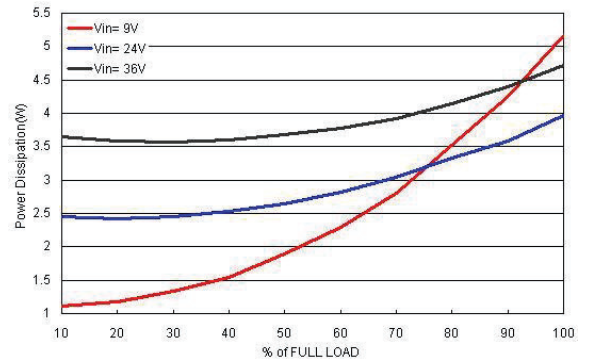Remote on/off Voltage Start-Up Characteristic
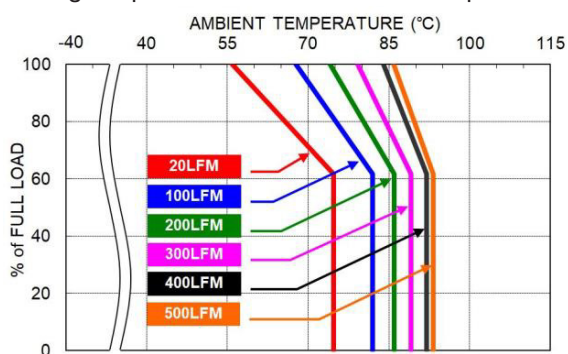
TEN 30-2431WIN

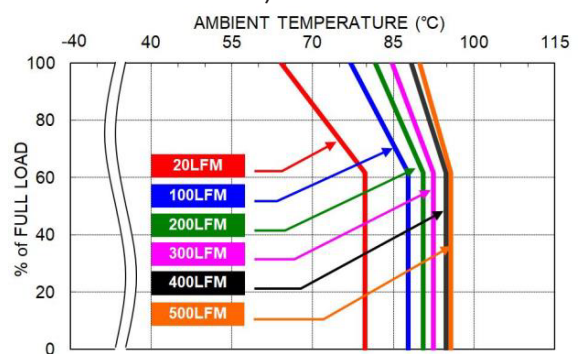Efficiency versus Output Load

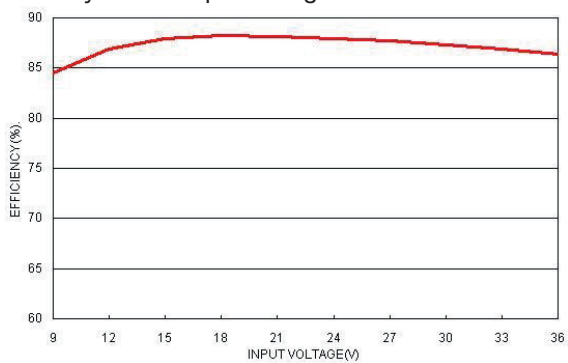

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)
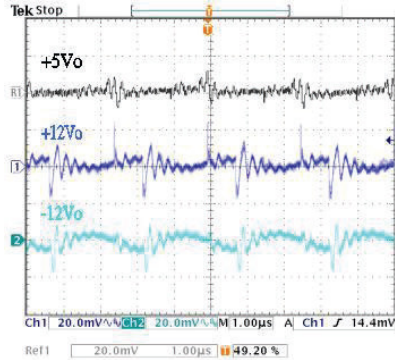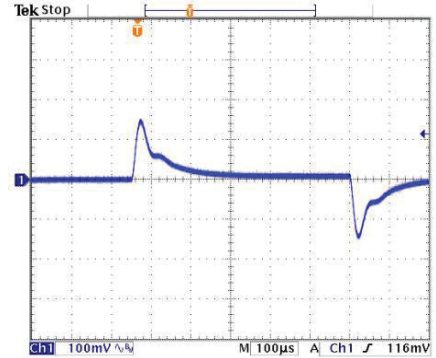

Efficiency versus Input Voltage
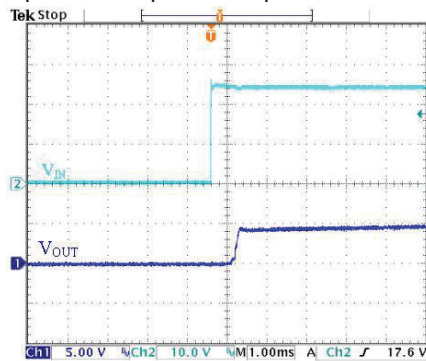
TEN 30-2431WIN

Typical Output Ripple and Noise
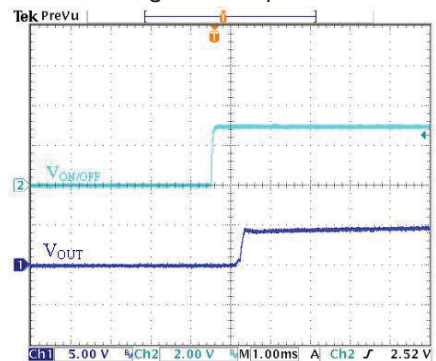(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

Typical Input Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic

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TEN 30-2432WIN

Efficiency versus Output Load

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)

Efficiency versus Input Voltage

TEN 30-2432WIN

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)
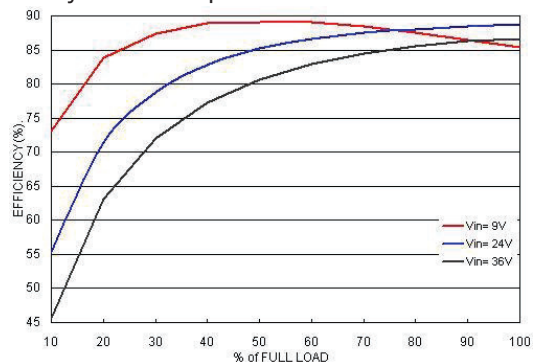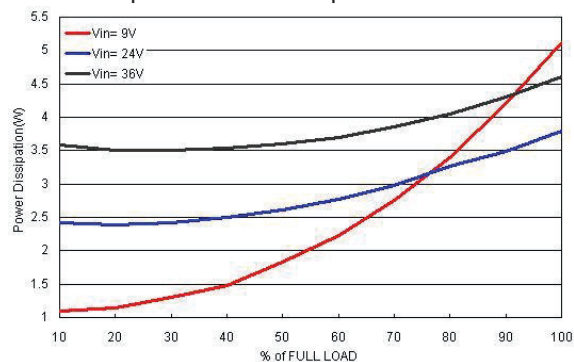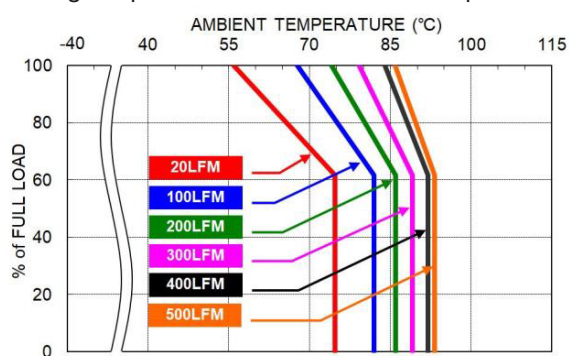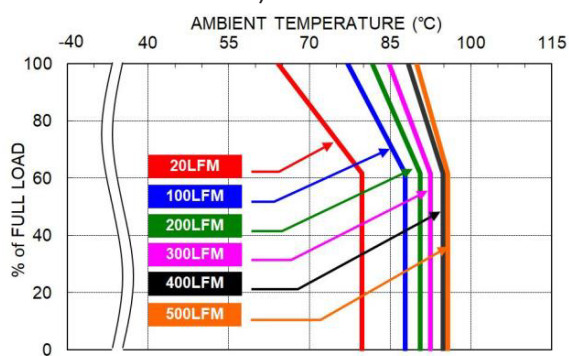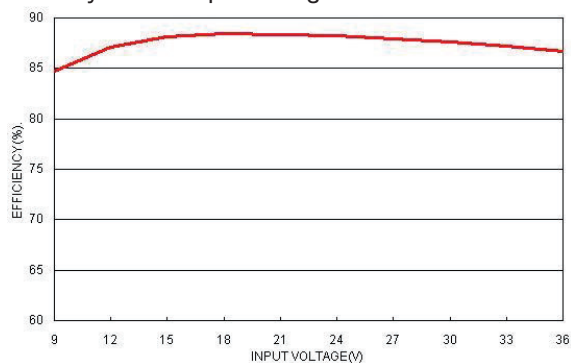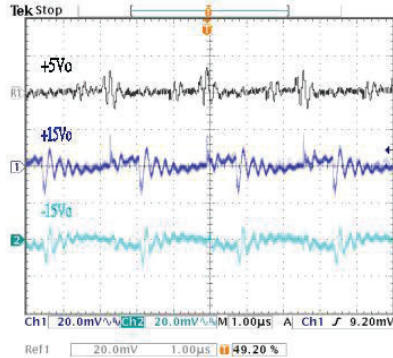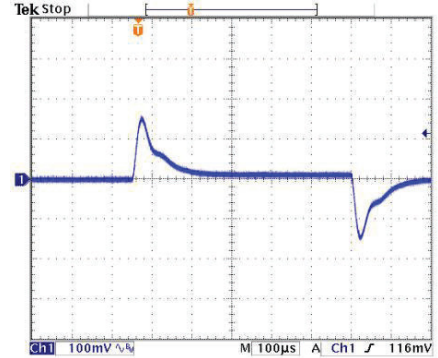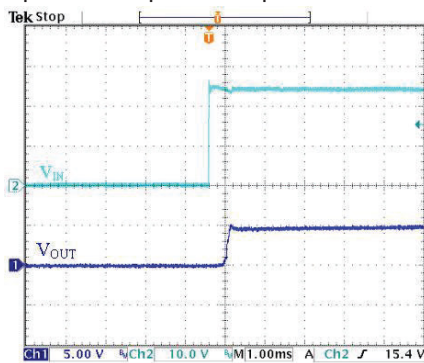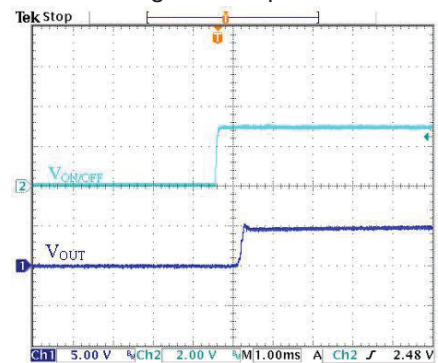

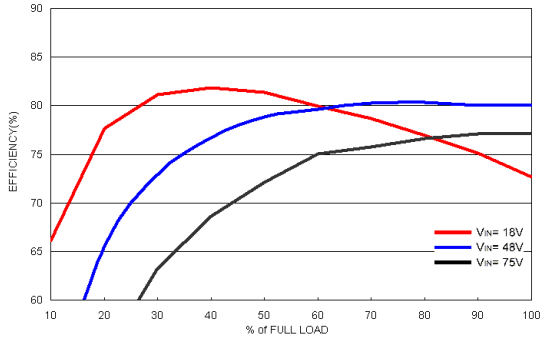Typical Input Start-Up and Output Rise Characteristic

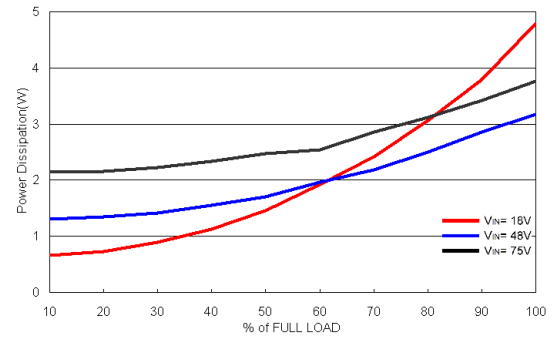Remote on/off Voltage Start-Up Characteristic

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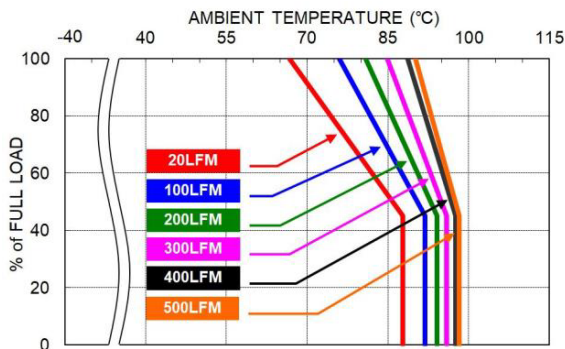## Optional model with 48 Vin and 1.5 Vout
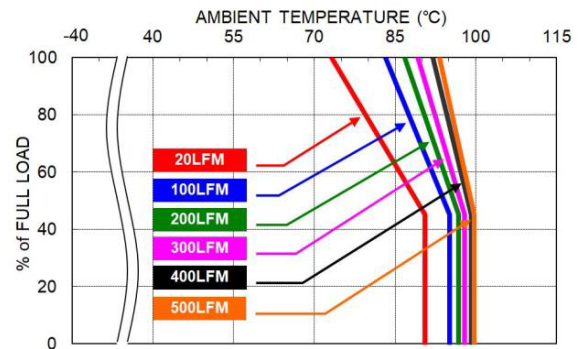
Efficiency versus Output Load

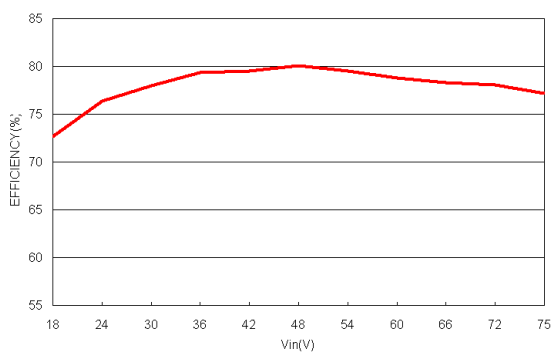Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)
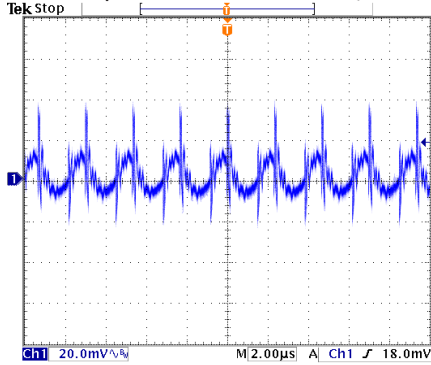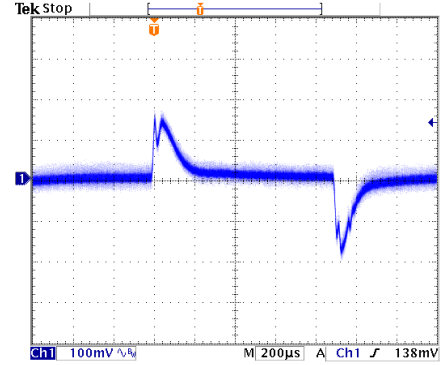

Efficiency versus Input Voltage
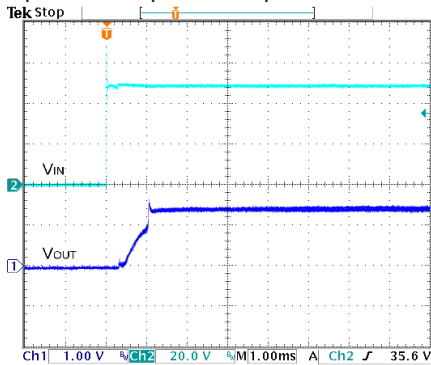
Optional model with 48 Vin and 1.5 Vout

Typical Output Ripple and Noise
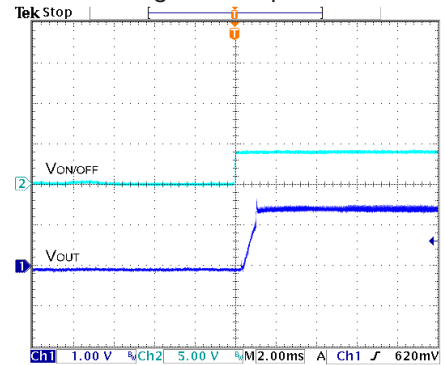(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

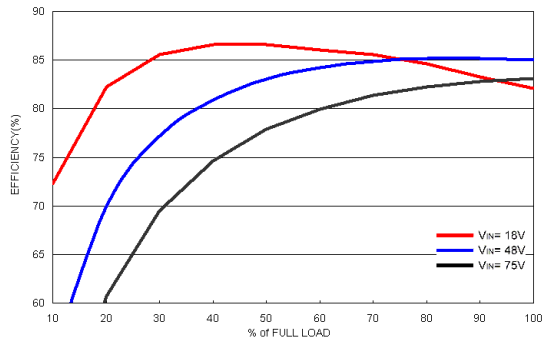Typical Input Start-Up and Output Rise Characteristic

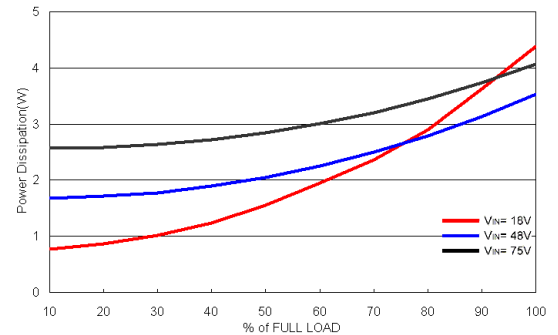Remote on/off Voltage Start-Up Characteristic

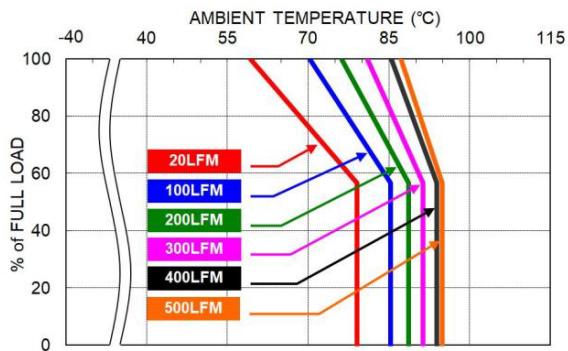## Optional model with 48 Vin and 2.5 Vout

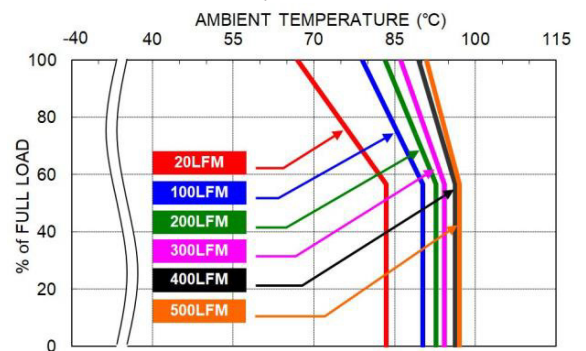Efficiency versus Output Load

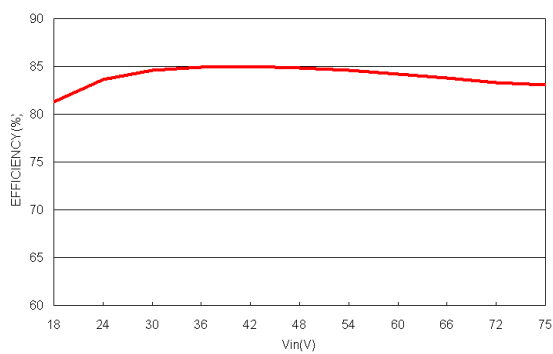Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

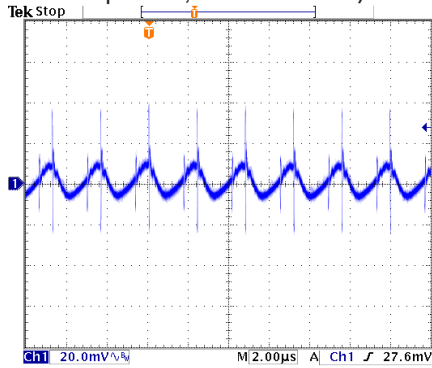Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)
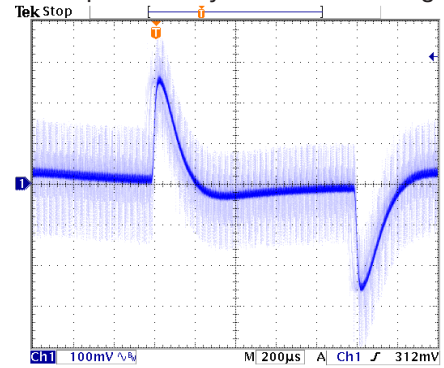

Efficiency versus Input Voltage
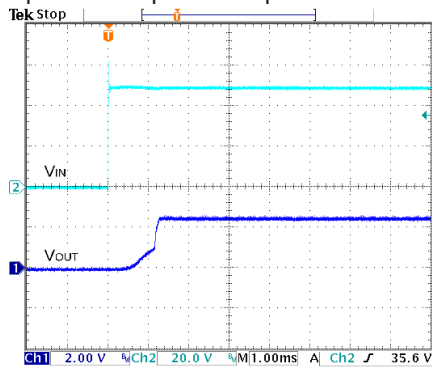
Optional model with 48 Vin and 2.5 Vout

Typical Output Ripple and Noise
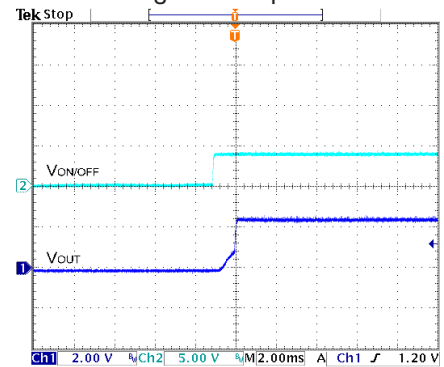(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

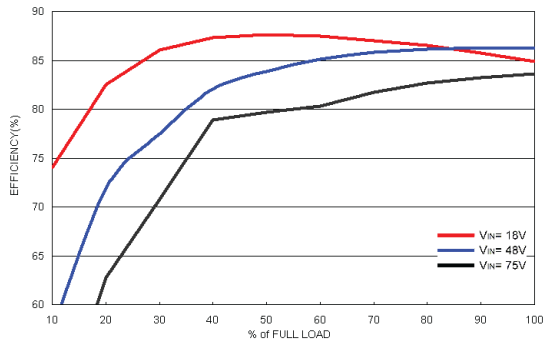Typical Input Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic
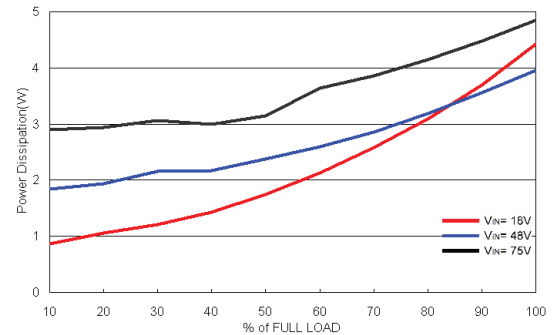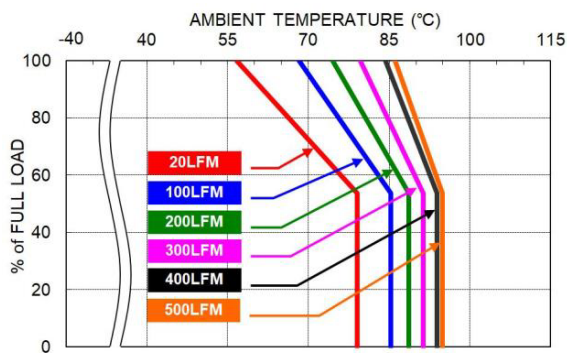
III TRACO POWER

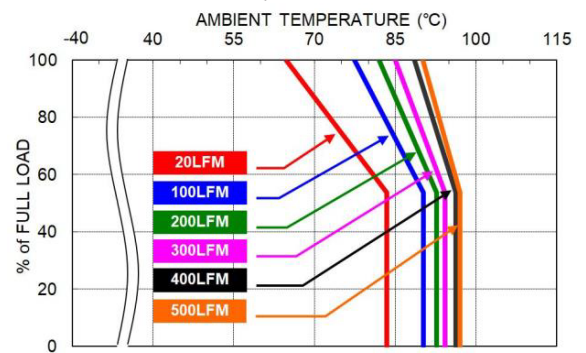## TEN 30-4810WIN

Efficiency versus Output Load

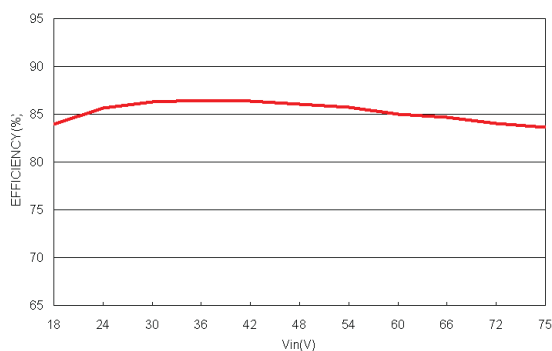Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)
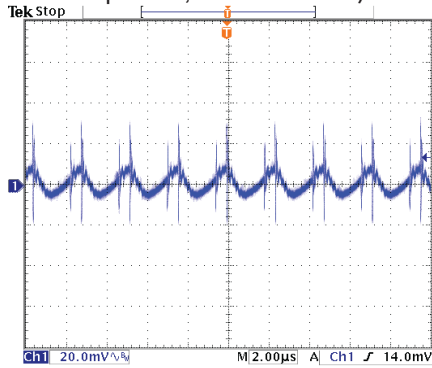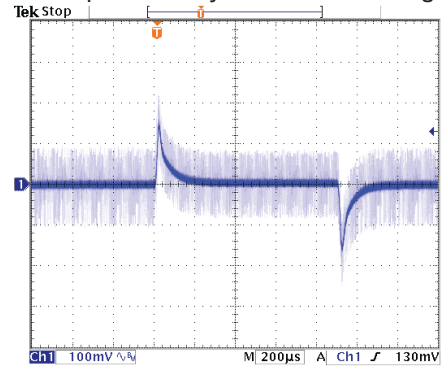

Efficiency versus Input Voltage
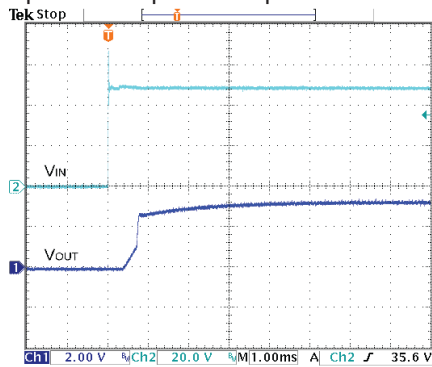
TEN 30-4810WIN

Typical Output Ripple and Noise
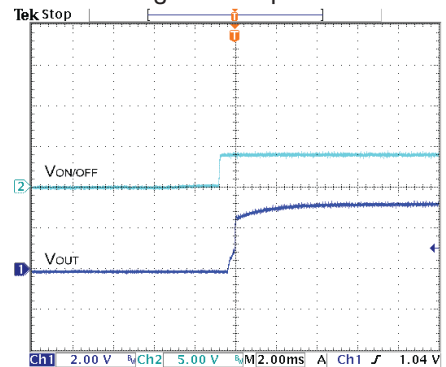(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)
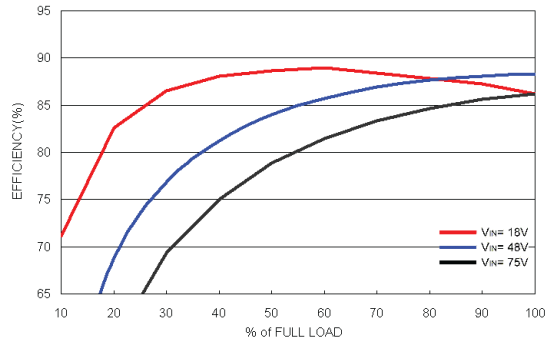

Typical Input Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic
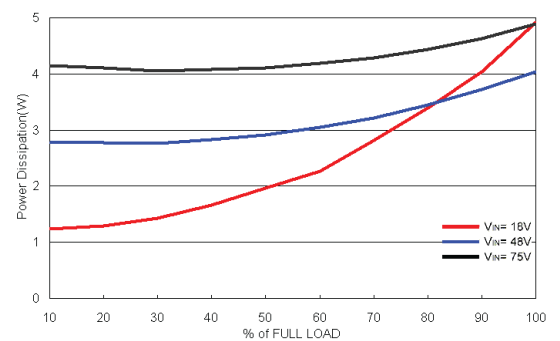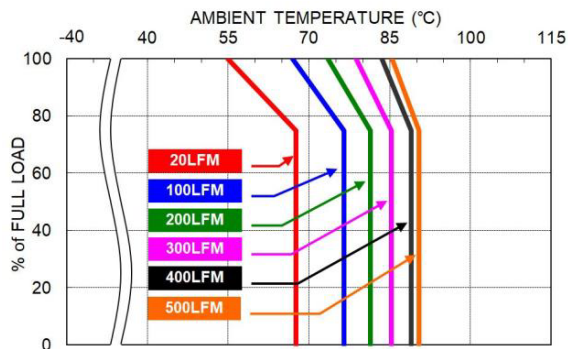
III TRACO POWER

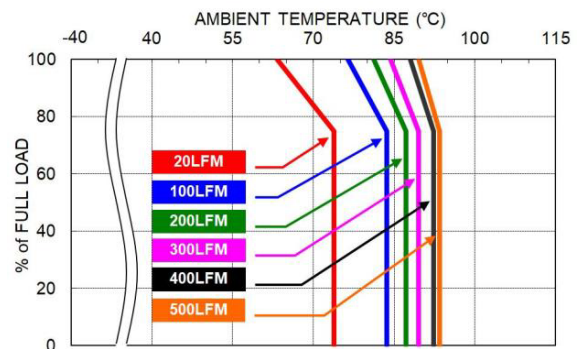### TEN 30-4811WIN

Efficiency versus Output Load

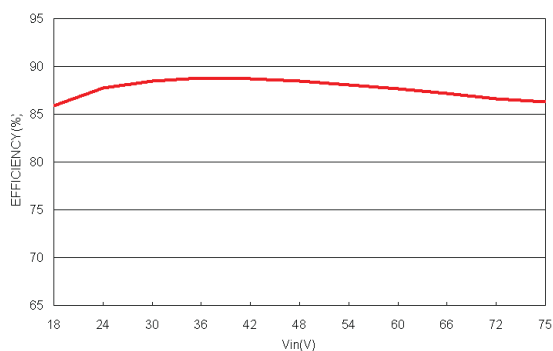Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)
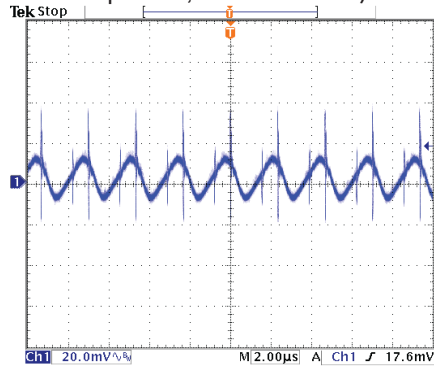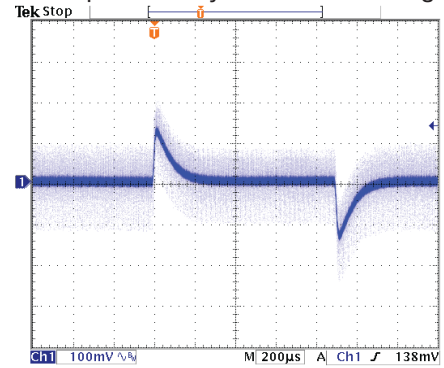

Efficiency versus Input Voltage
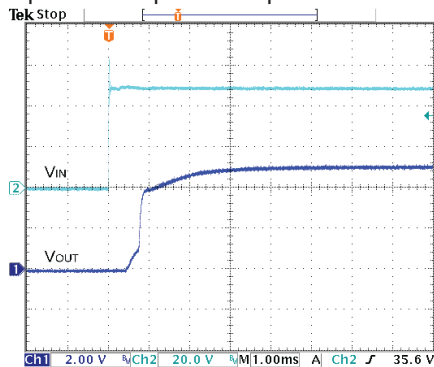
TEN 30-4811WIN

Typical Output Ripple and Noise
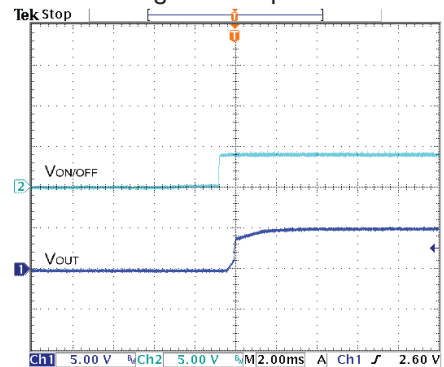(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)
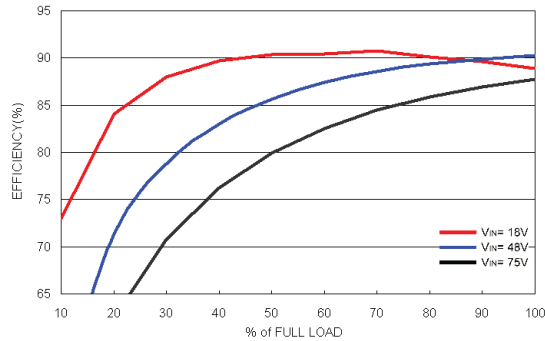
Typical Input Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic
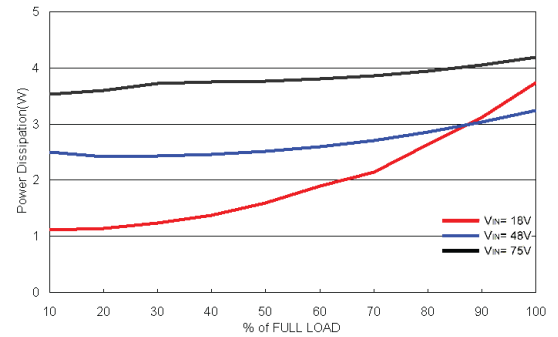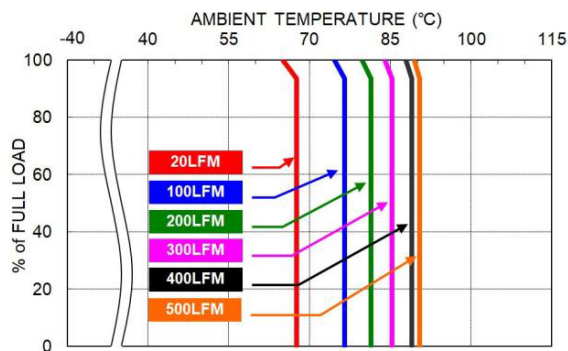
TRACO POWER

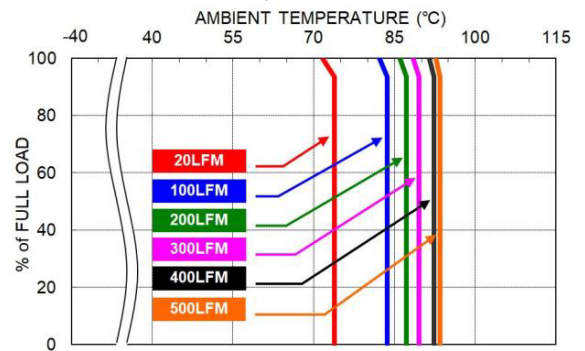## TEN 30-4812WIN

Efficiency versus Output Load

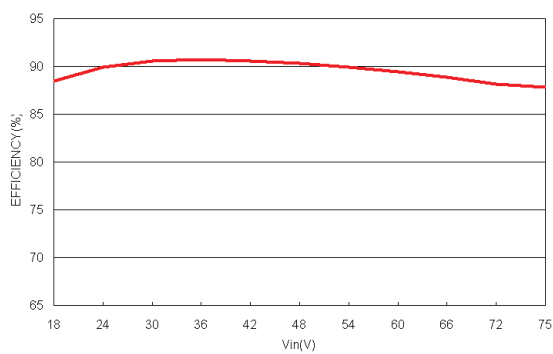Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)
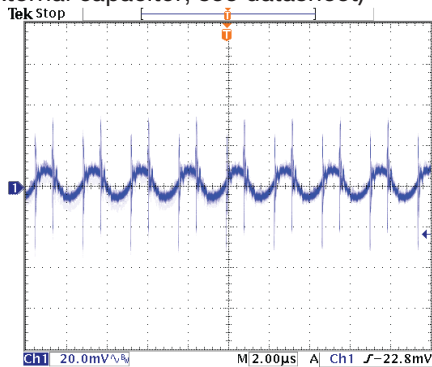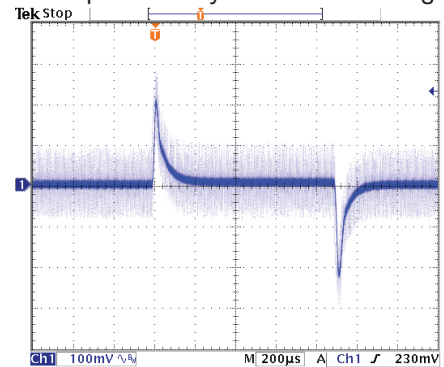

Efficiency versus Input Voltage
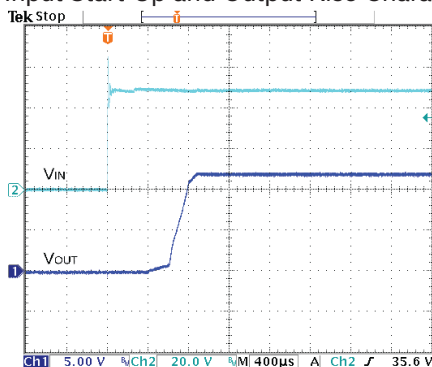
TEN 30-4812WIN

Typical Output Ripple and Noise
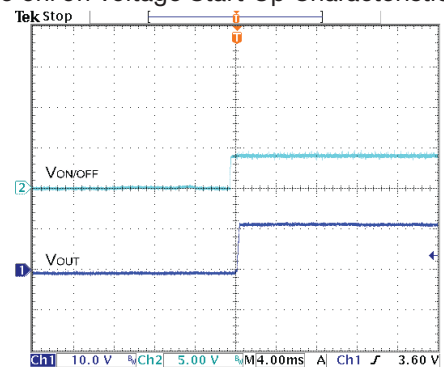(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)
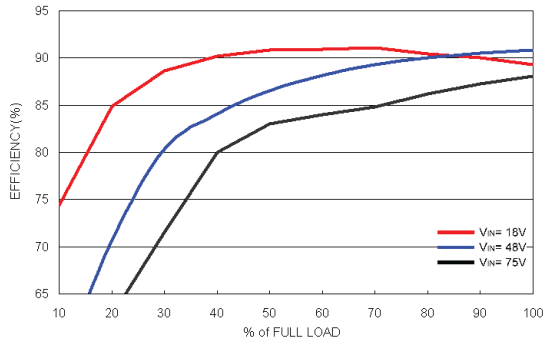

Typical Input Start-Up and Output Rise Characteristic

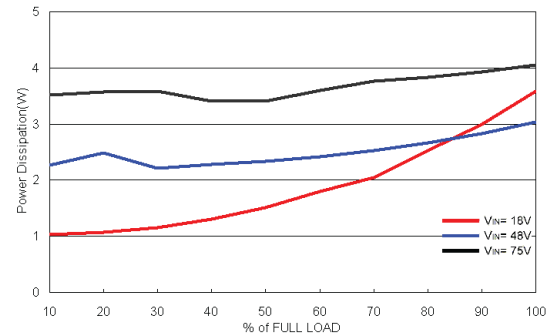Remote on/off Voltage Start-Up Characteristic

TRACO POWER

TEN 30-4813WIN

Efficiency versus Output Load

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)

Efficiency versus Input Voltage

TEN 30-4813WIN

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

Typical Input Start-Up and Output Rise Characteristic
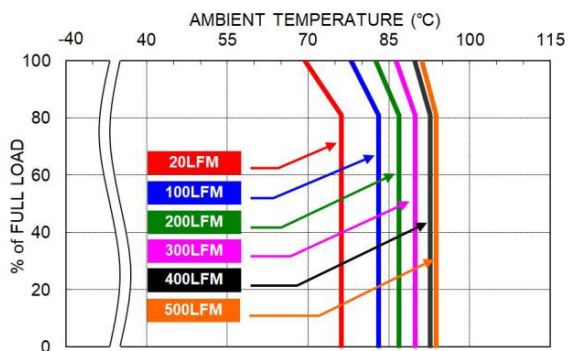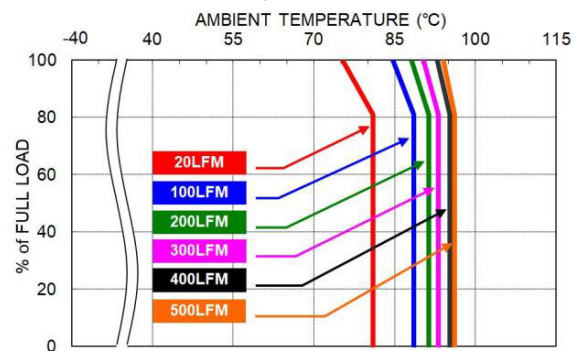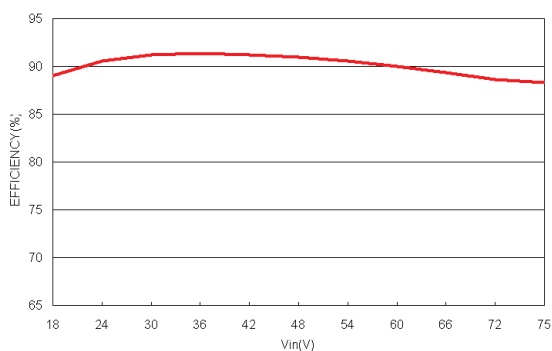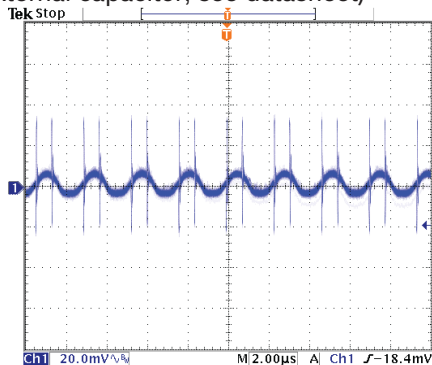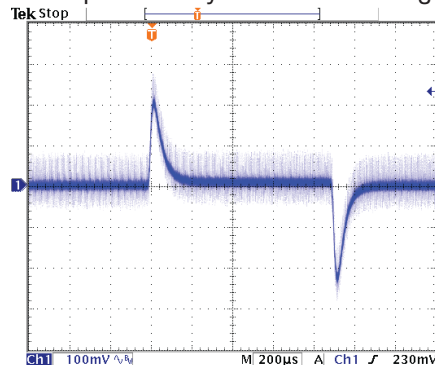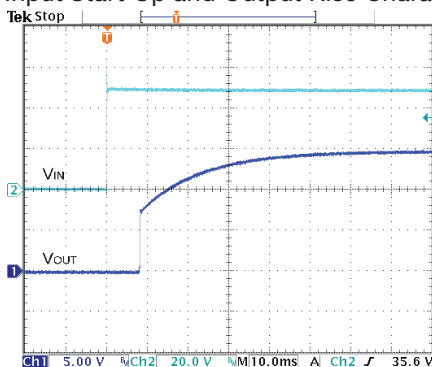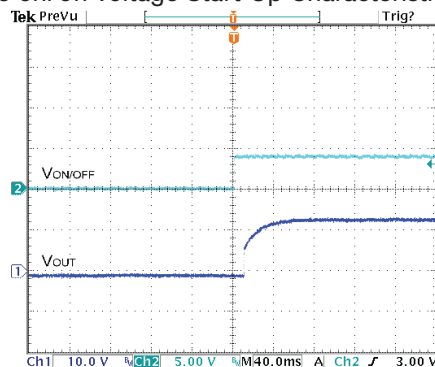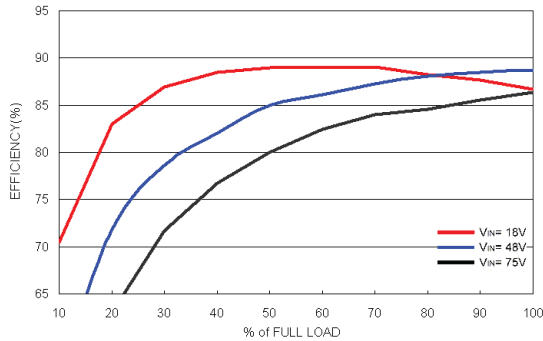
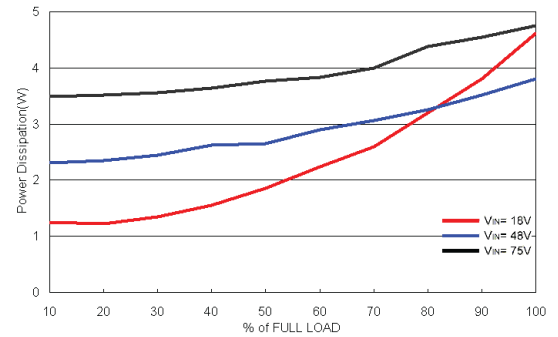Remote on/off Voltage Start-Up Characteristic

TRACO POWER

TEN 30-4821WIN

Efficiency versus Output Load

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)

Efficiency versus Input Voltage

TEN 30-4821WIN

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

Typical Input Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic
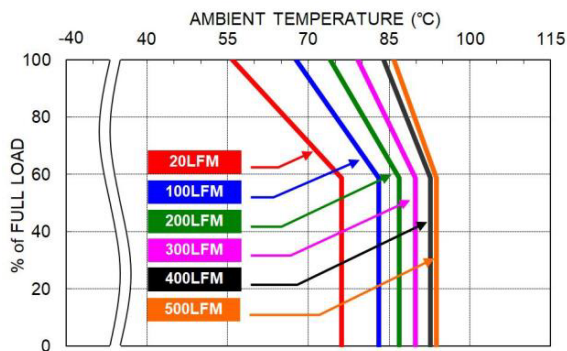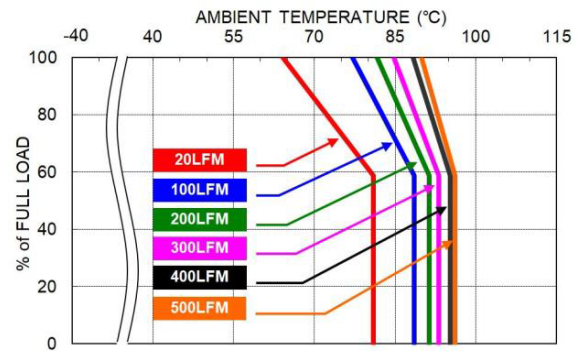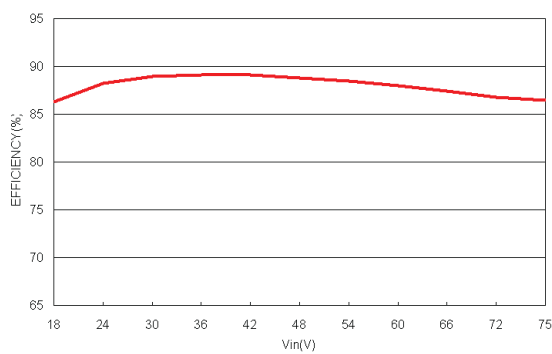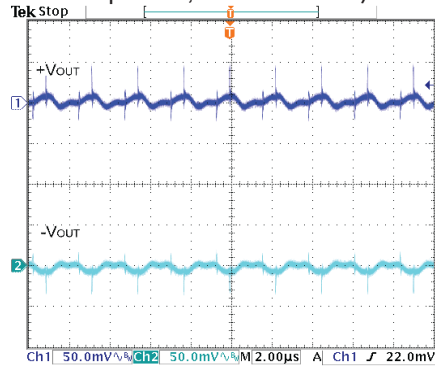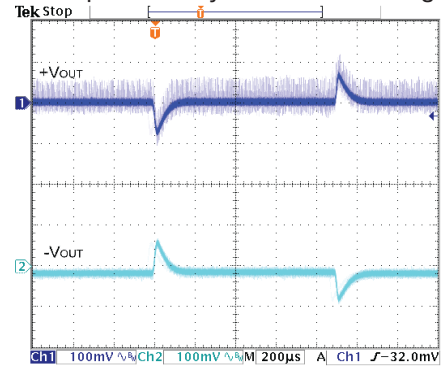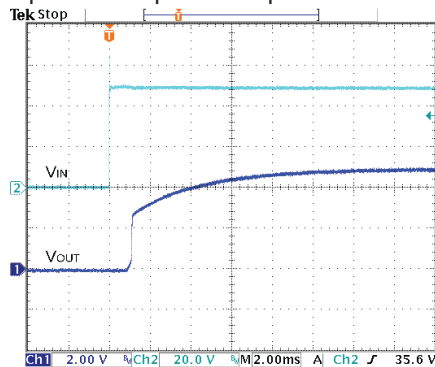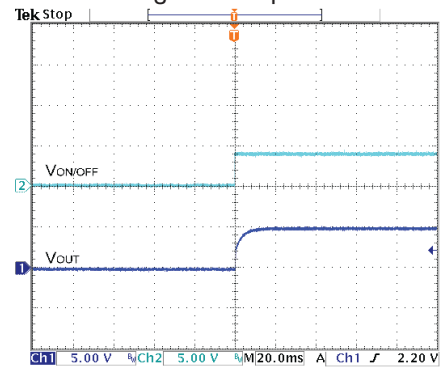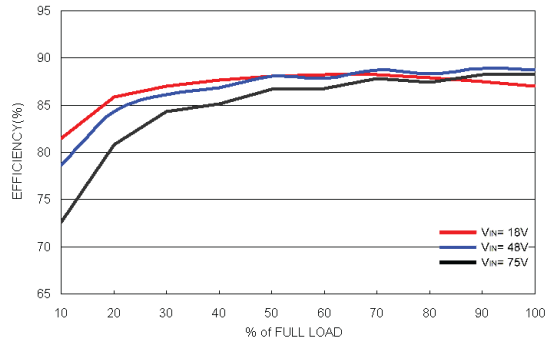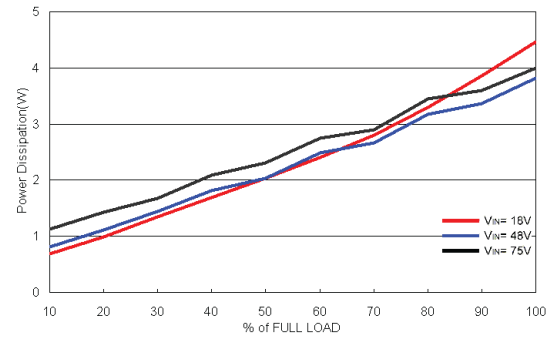
III TRACO POWER

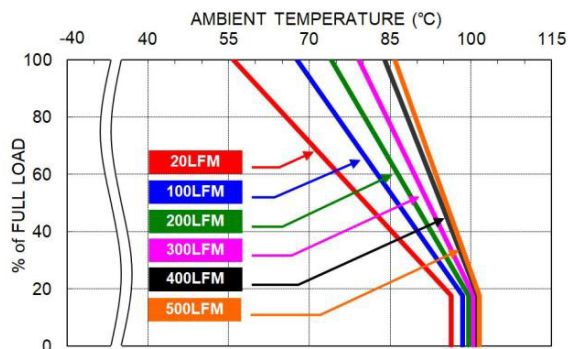## **TEN 30-4822WIN**

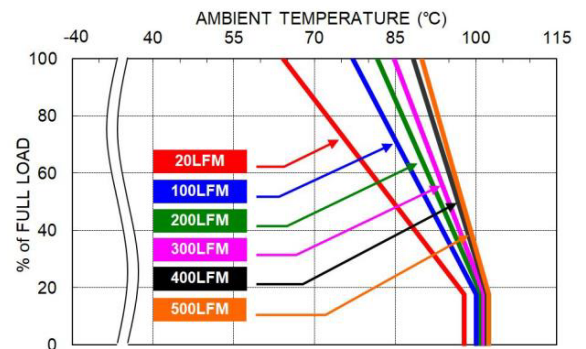Efficiency versus Output Load

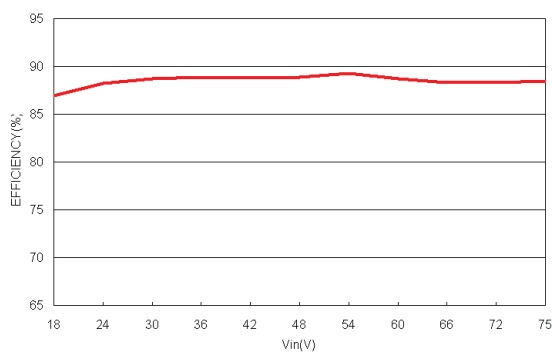Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature
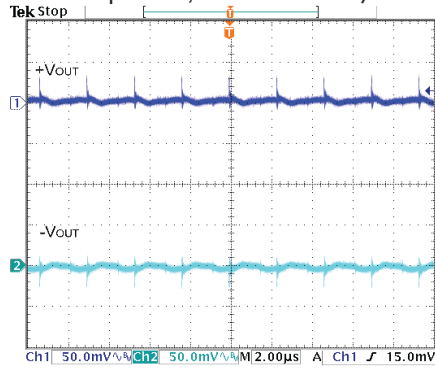(with Heatsink TEN-HS1)
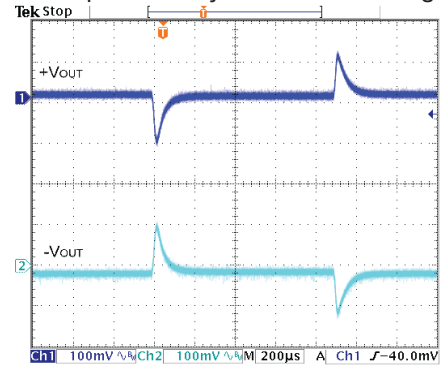

Efficiency versus Input Voltage
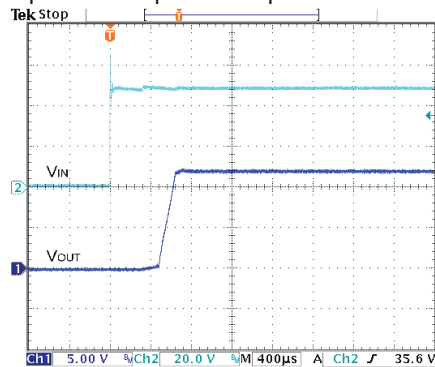
TEN 30-4822WIN

Typical Output Ripple and Noise
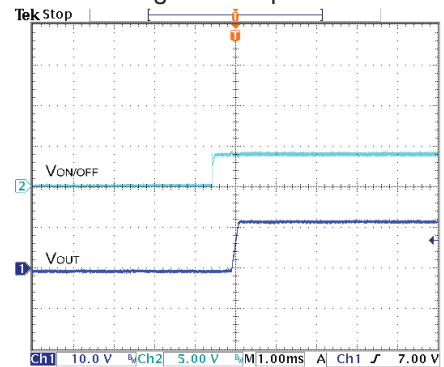(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)
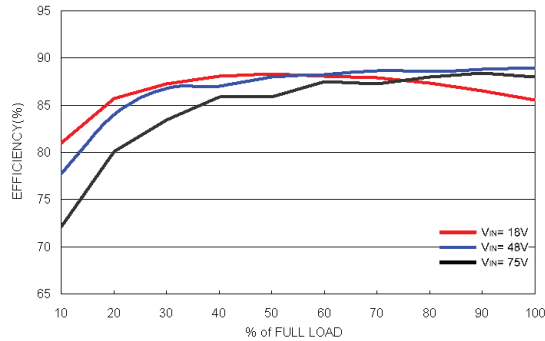

Typical Input Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic
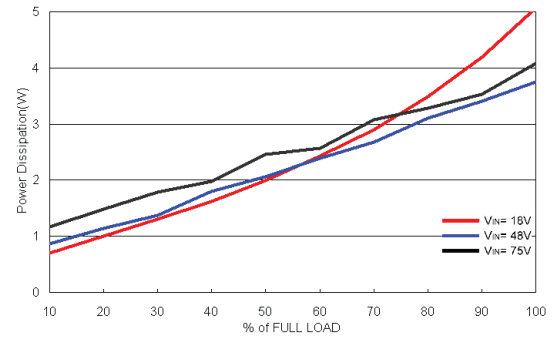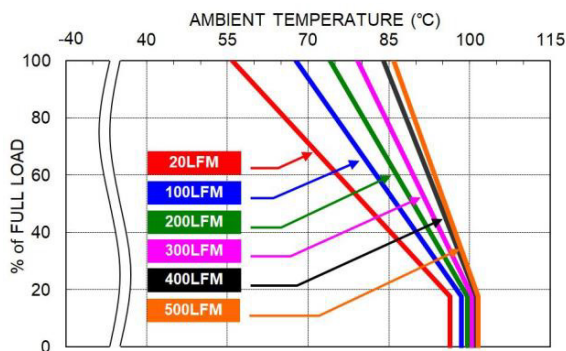
![TRACO POWER]

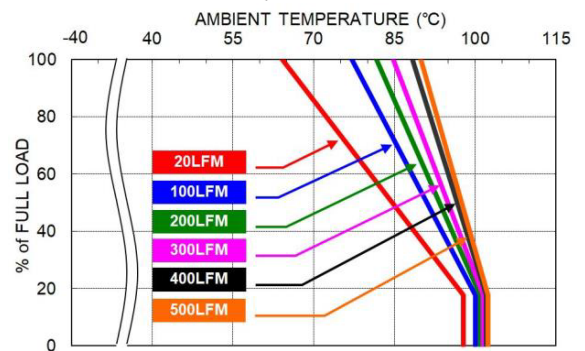## TEN 30-4823WIN

Efficiency versus Output Load

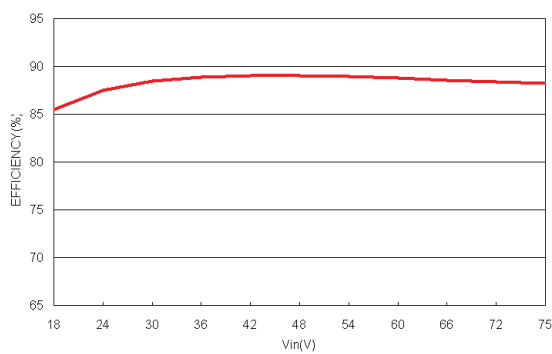Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature
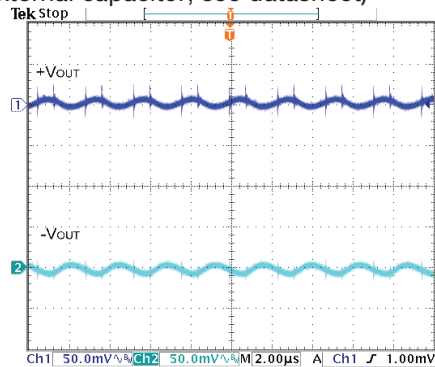(with Heatsink TEN-HS1)

Efficiency versus Input Voltage
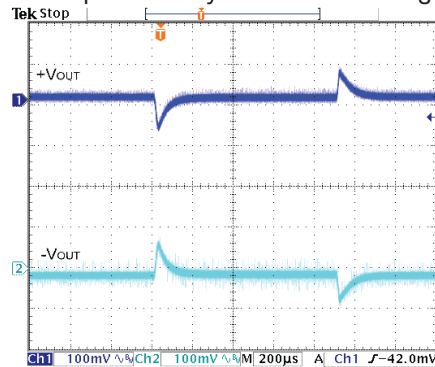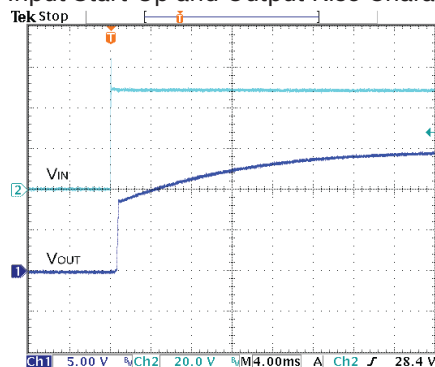
II TRACO POWER

TEN 30-4823WIN

Typical Output Ripple and Noise
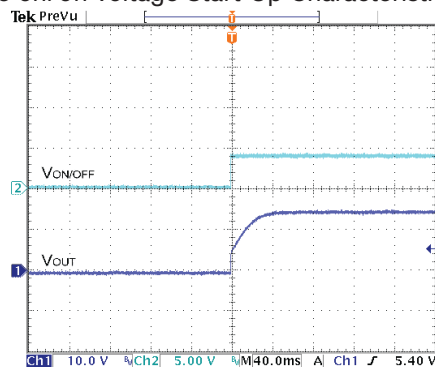(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

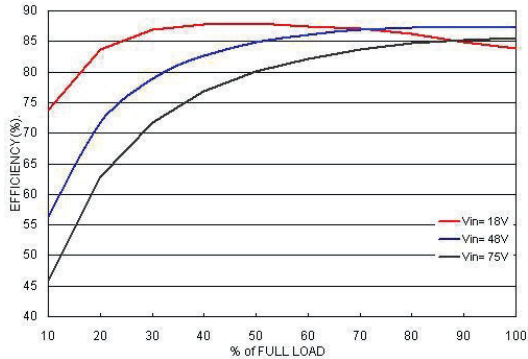Typical Input Start-Up and Output Rise Characteristic

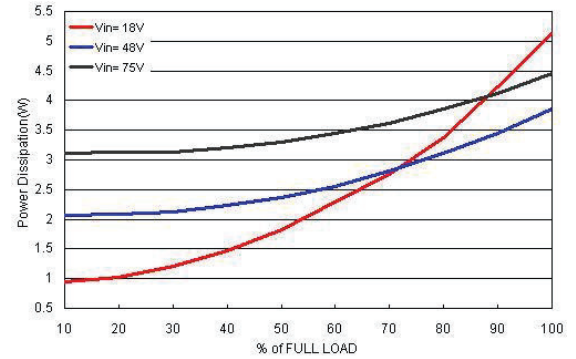Remote on/off Voltage Start-Up Characteristic
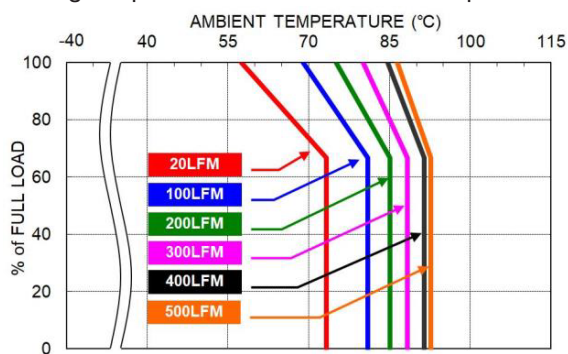
TEN 30-4833WIN

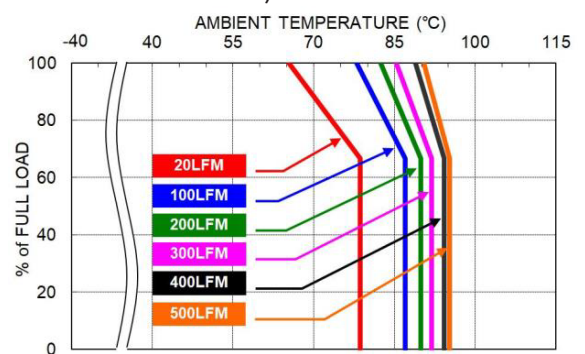Efficiency versus Output Load

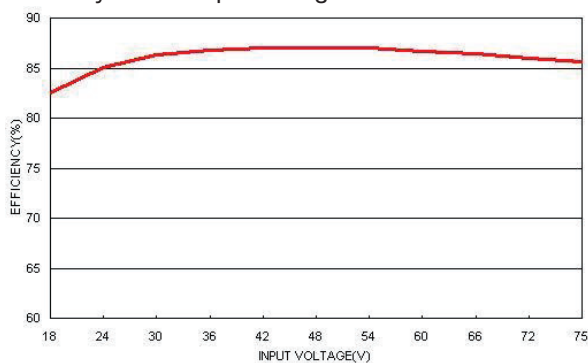
Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)
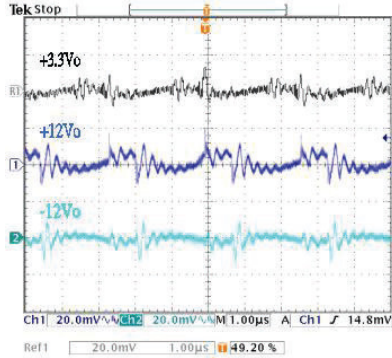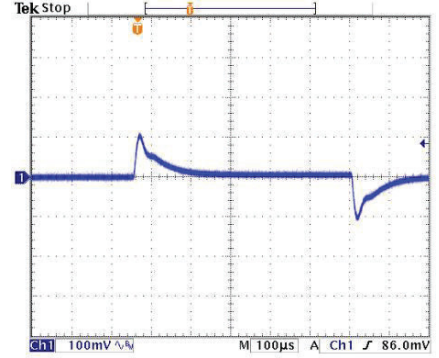

Efficiency versus Input Voltage
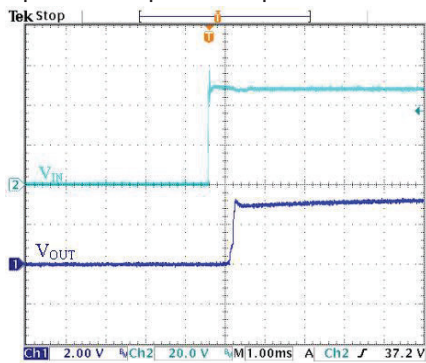
TRACO POWER

TEN 30-4833WIN

Typical Output Ripple and Noise
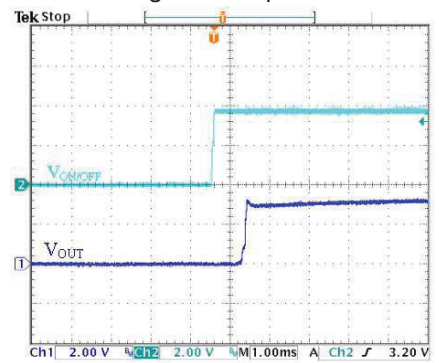(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

Typical Input Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic

TEN 30-4834WIN

Efficiency versus Output Load

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)

Efficiency versus Input Voltage

TEN 30-4834WIN

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

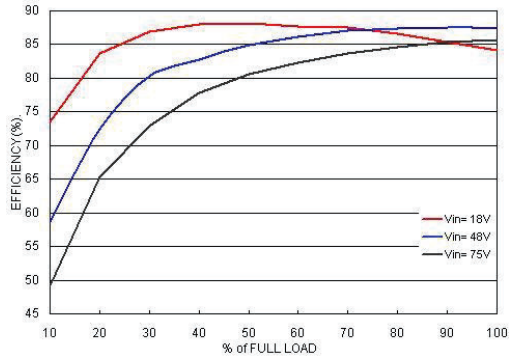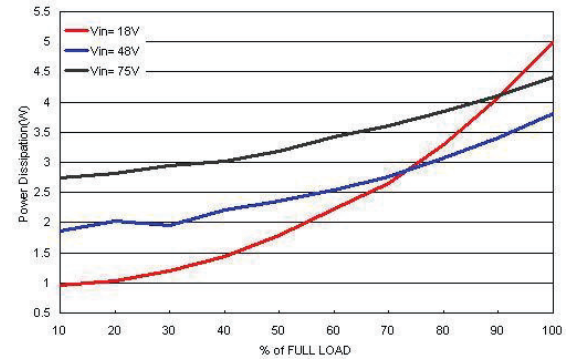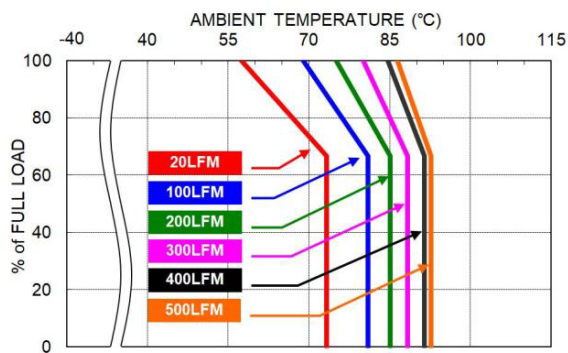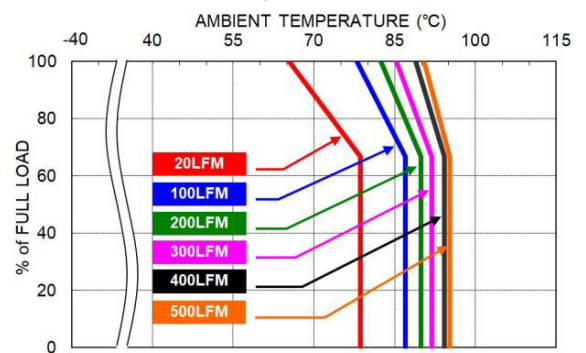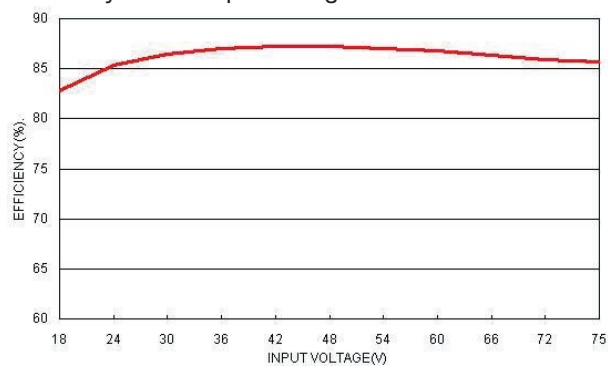Typical Input Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic

TEN 30-4831WIN

Efficiency versus Output Load

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

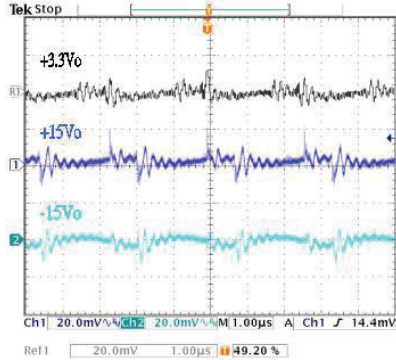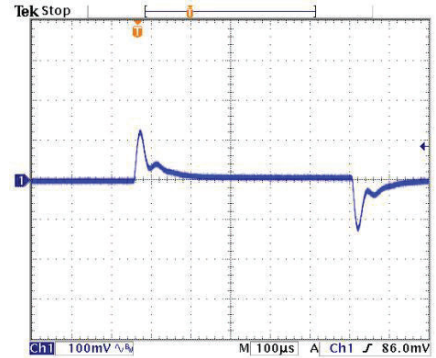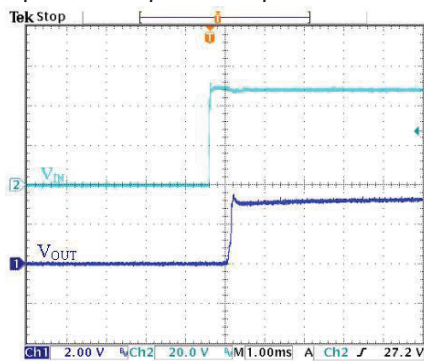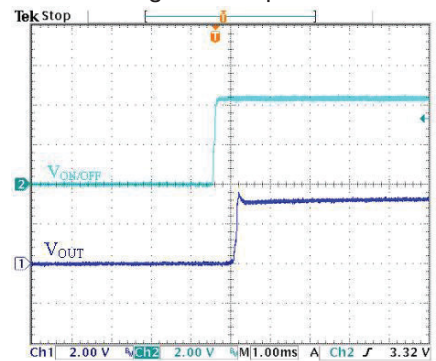Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)

Efficiency versus Input Voltage

TEN 30-4831WIN

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

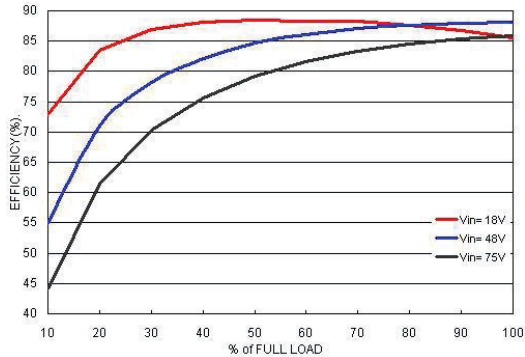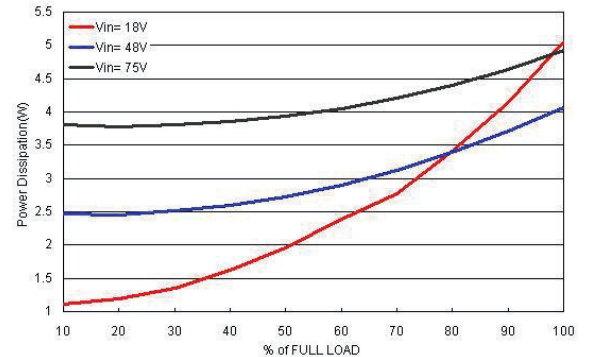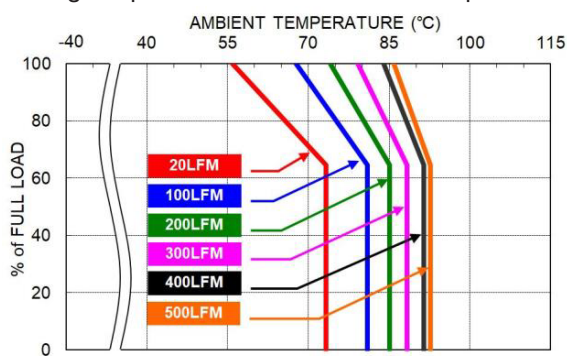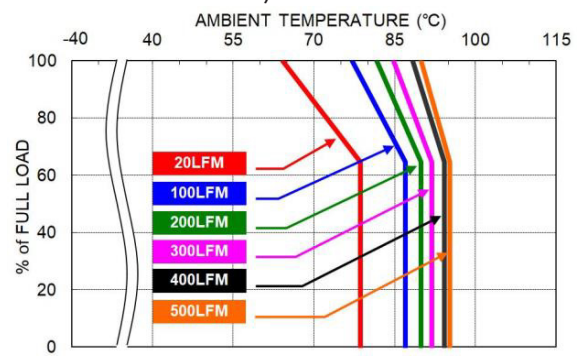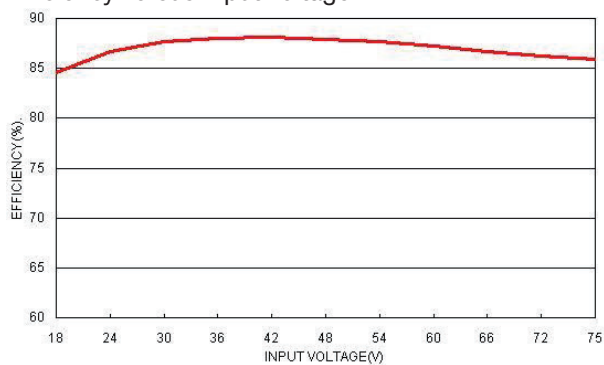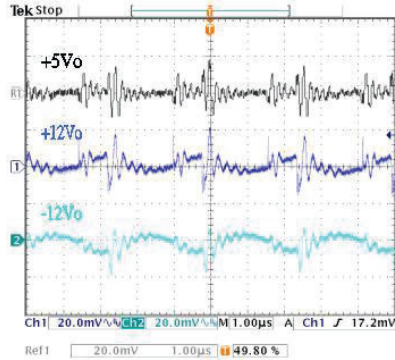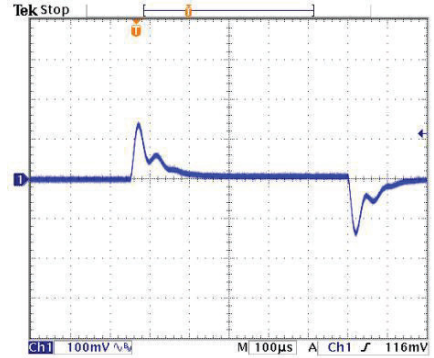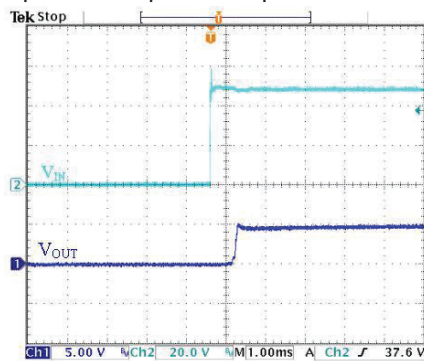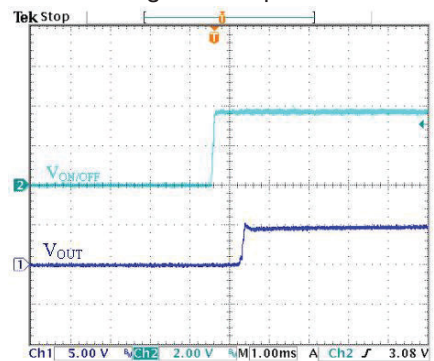Typical Input Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic

TEN 30-4832WIN

Efficiency versus Output Load

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature (with Heatsink TEN-HS1)

Efficiency versus Input Voltage

TEN 30-4832WIN

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)
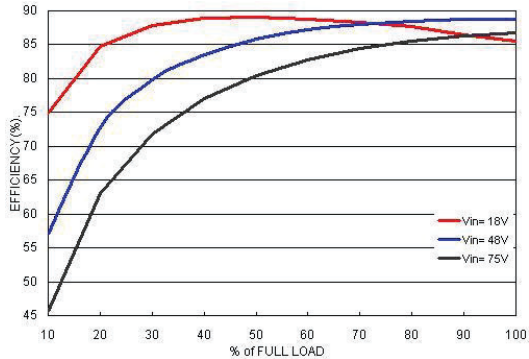

Typical Input Start-Up and Output Rise Characteristic
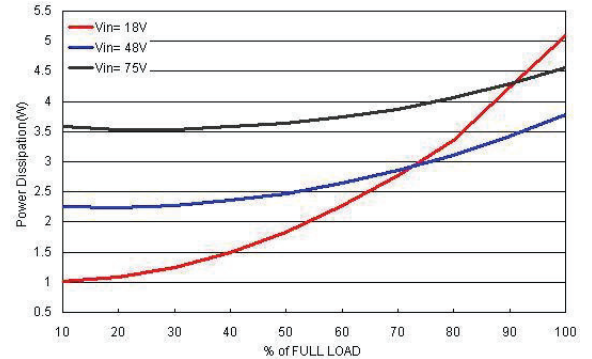

Remote on/off Voltage Start-Up Characteristic

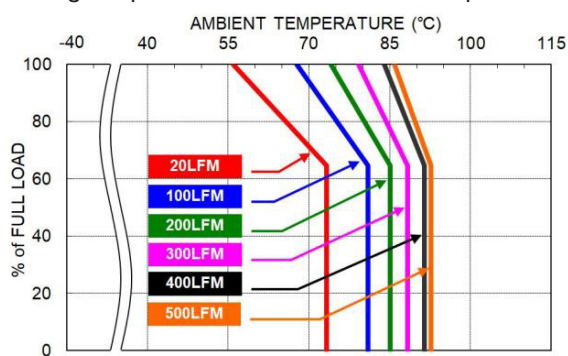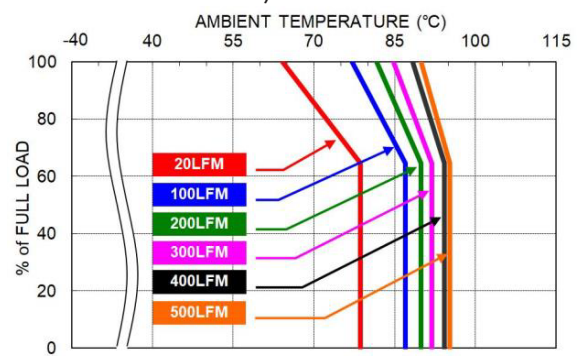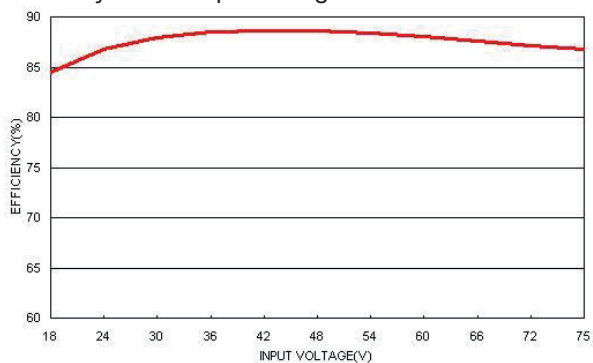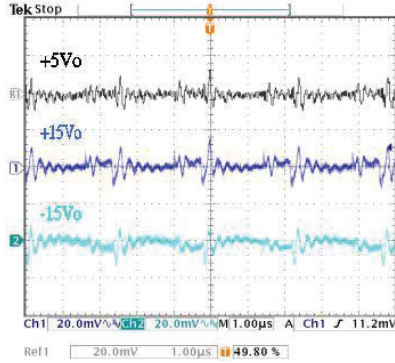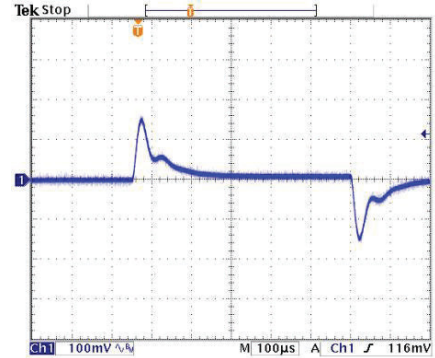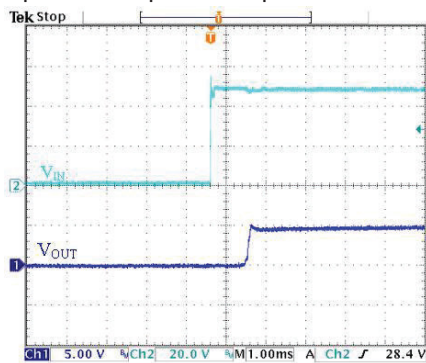Specifications can be changed without notice!