⫼ TRACO POWER

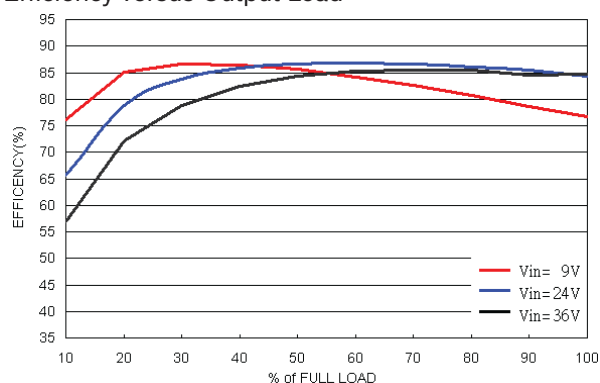## Characteristic Curves

TEN 20-2410WIN

Efficiency versus Output Load

Efficiency versus Input Voltage

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

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

III TRACO POWER

TEN 20-2410WIN

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic
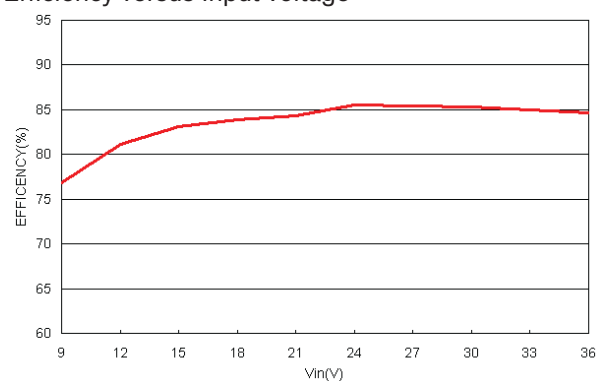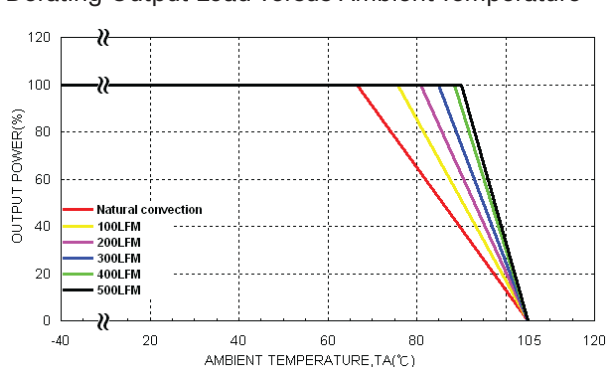
TRACO POWER

TEN 20-2411WIN

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage
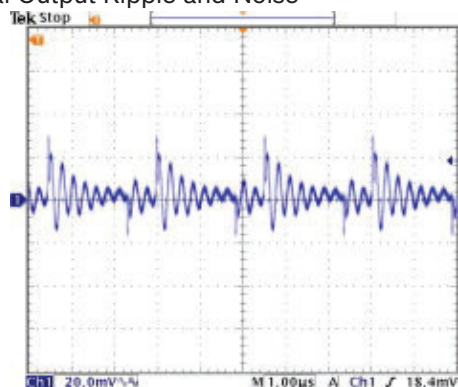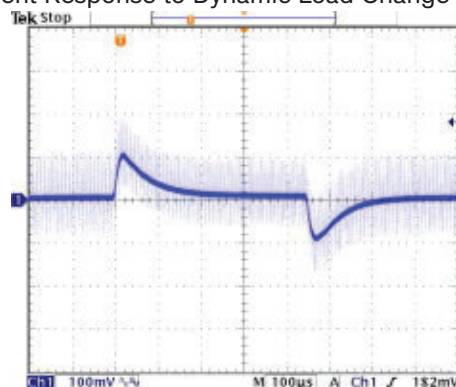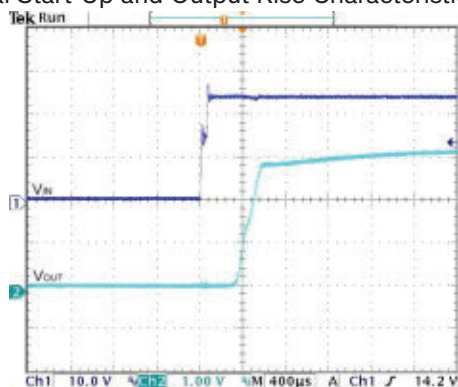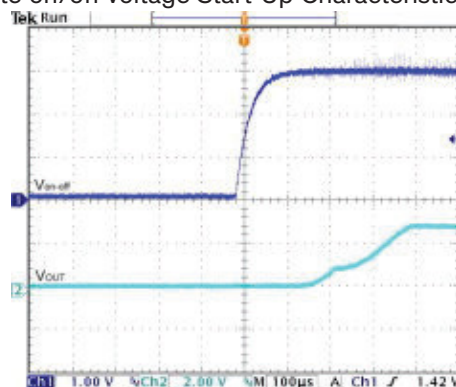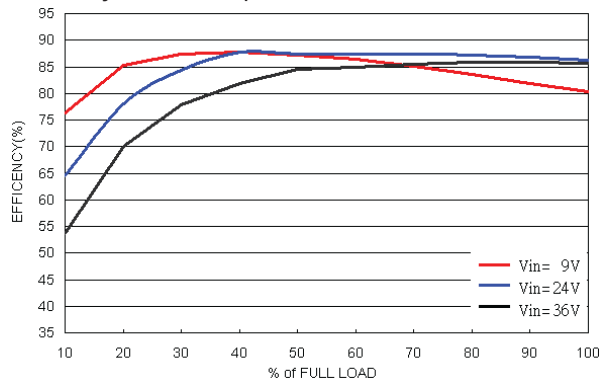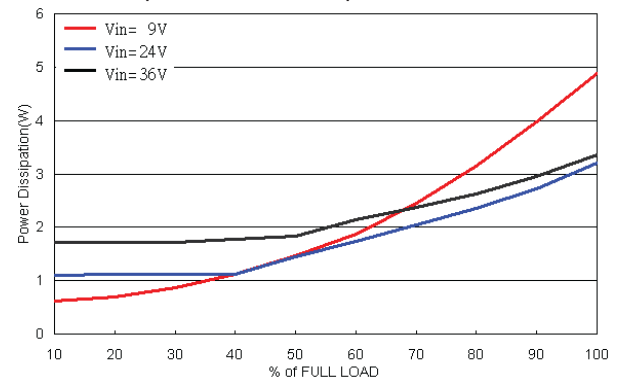

Derating Output Load versus Ambient Temperature

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

TEN 20-2411WIN

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic

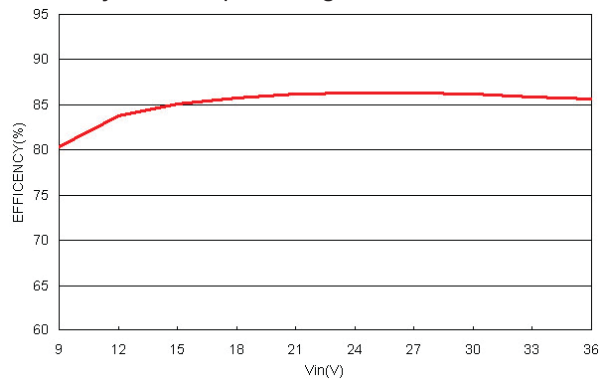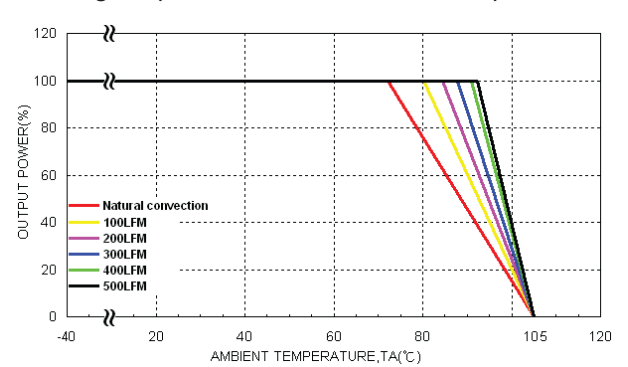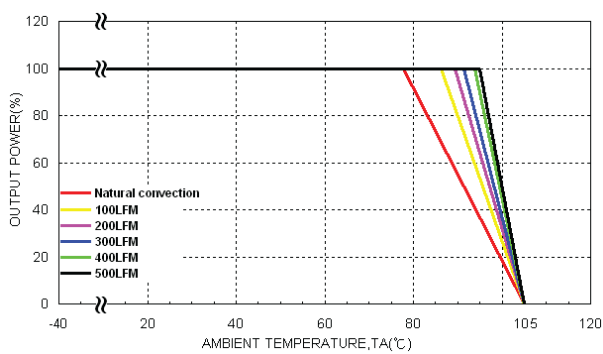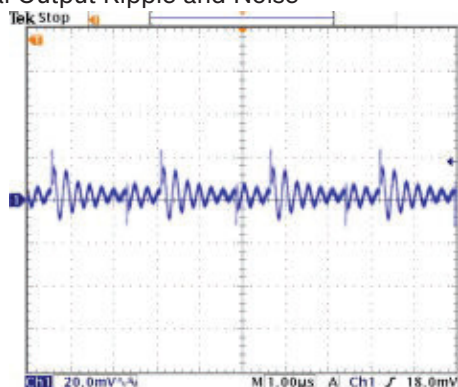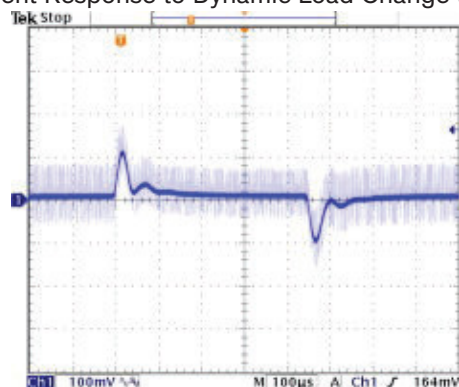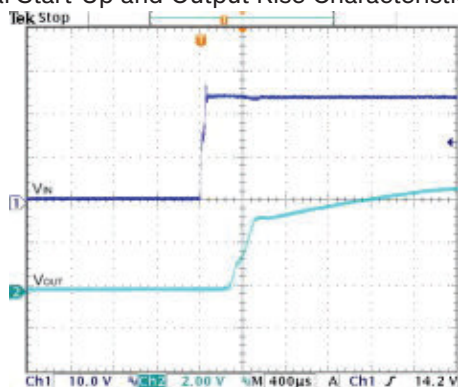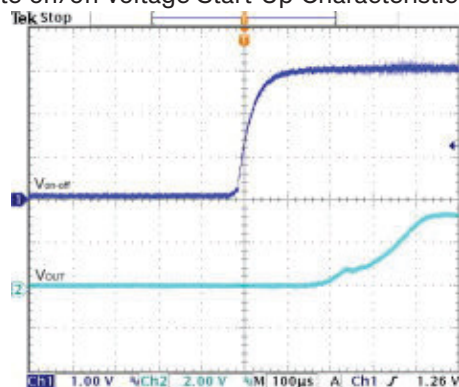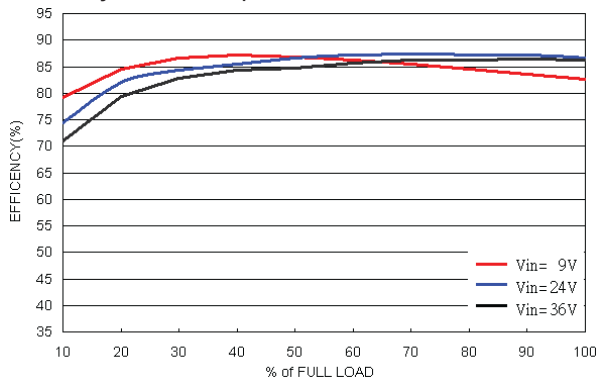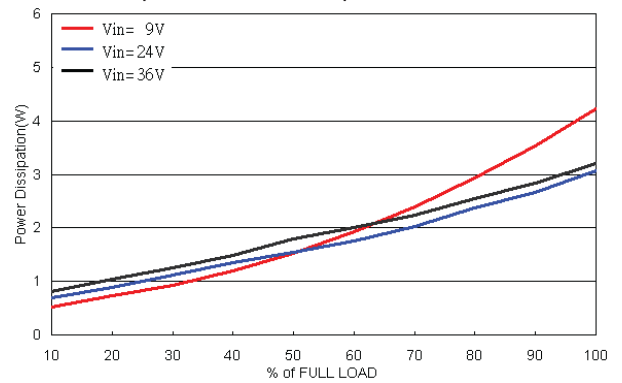Remote on/off Voltage Start-Up Characteristic

TEN 20-2412WIN

Efficiency versus Output Load

Efficiency versus Input Voltage

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

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

III TRACO POWER

TEN 20-2412WIN

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic

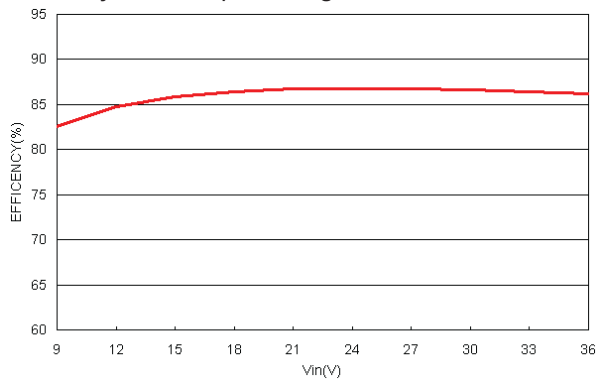Remote on/off Voltage Start-Up Characteristic

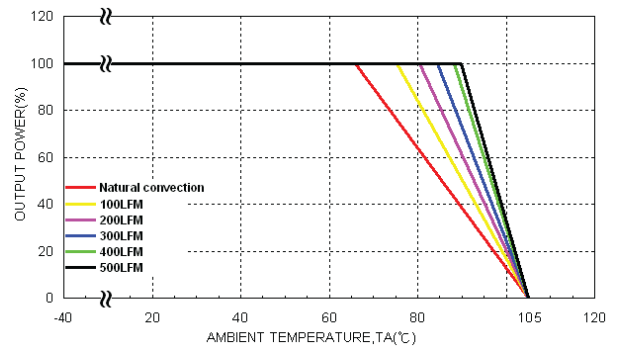**TEN 20-2413WIN**

Efficiency versus Output Load
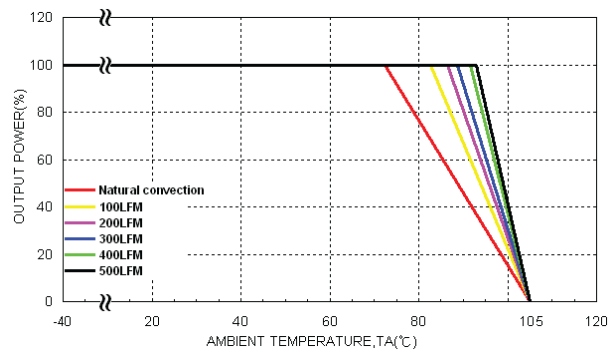

Power Dissipation versus Output Load

Efficiency versus Input Voltage
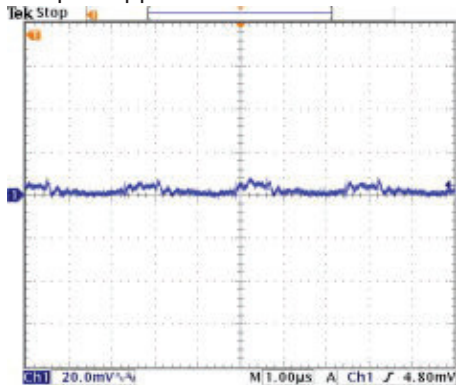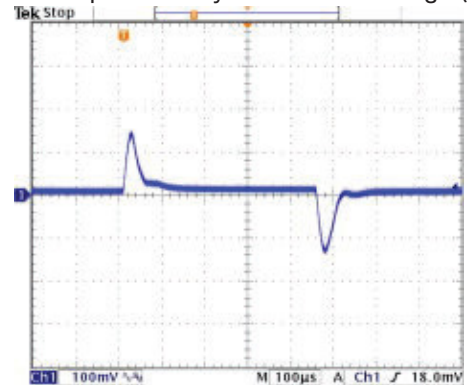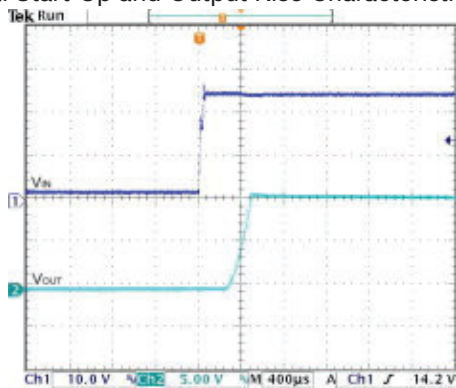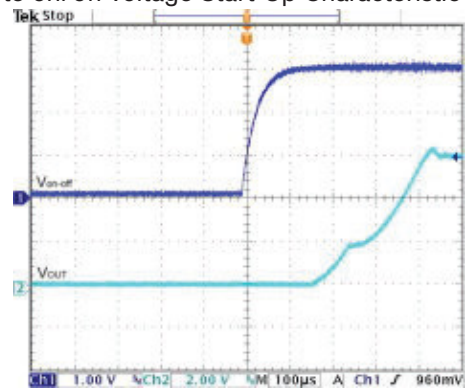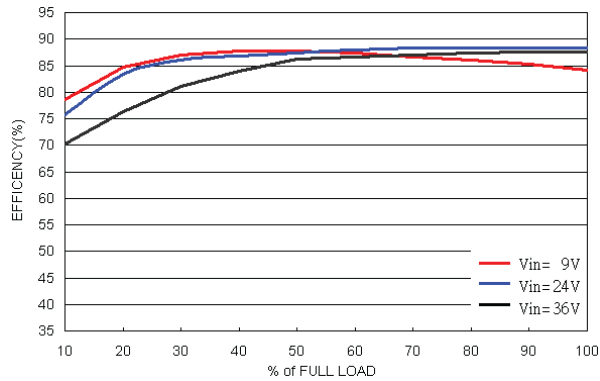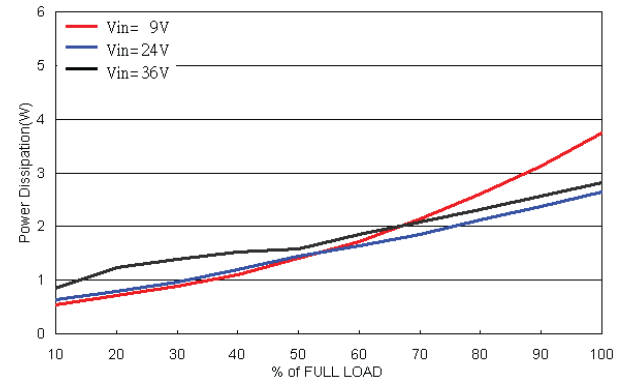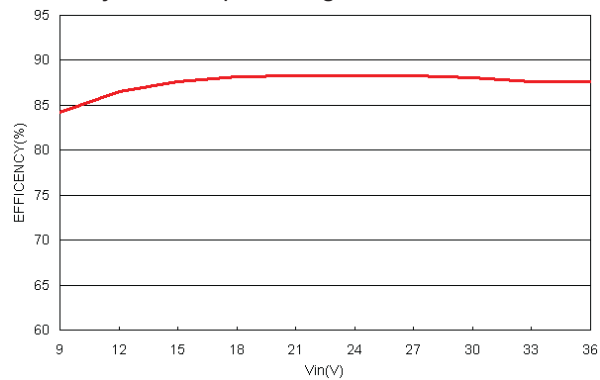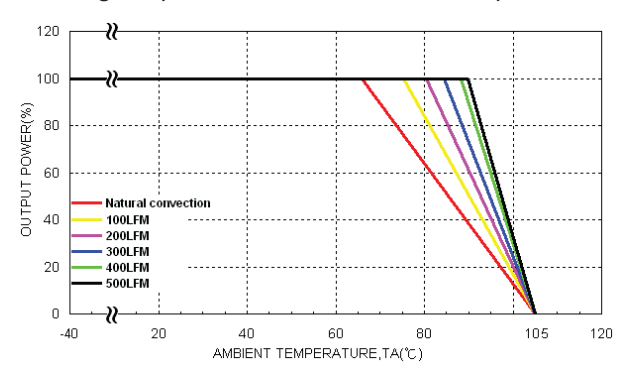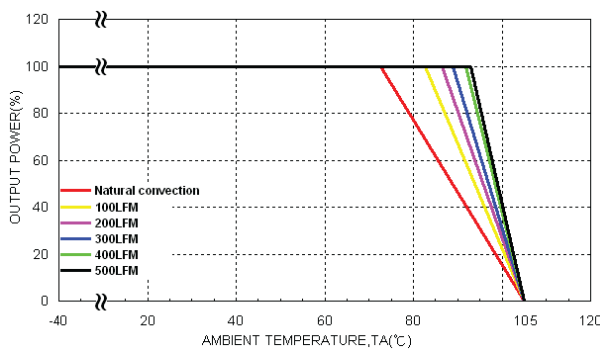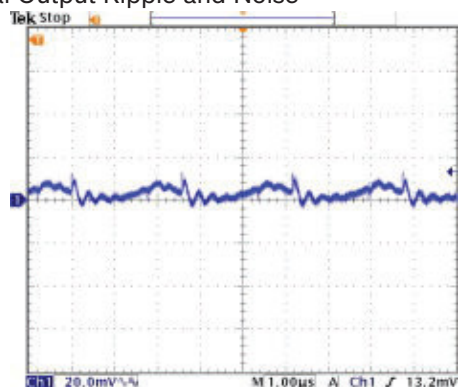

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature
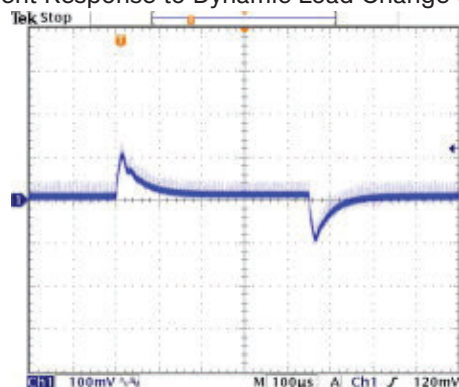(with Heatsink TEN-HS1)
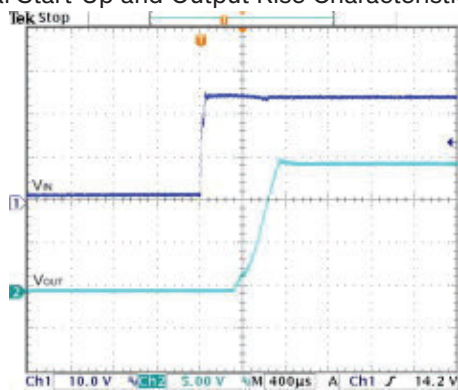
TEN 20-2413WIN

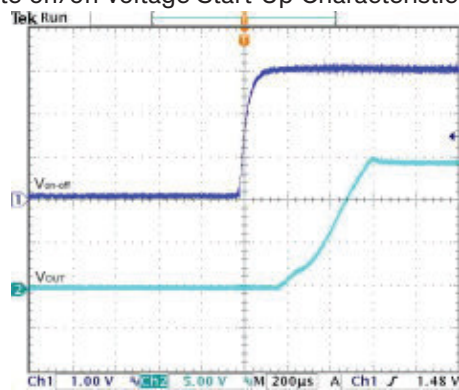Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)
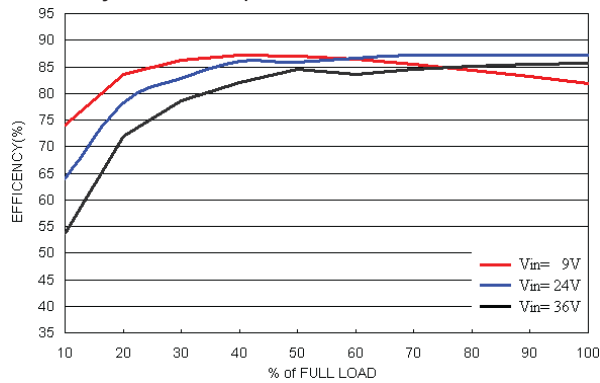

Typical Start-Up and Output Rise Characteristic

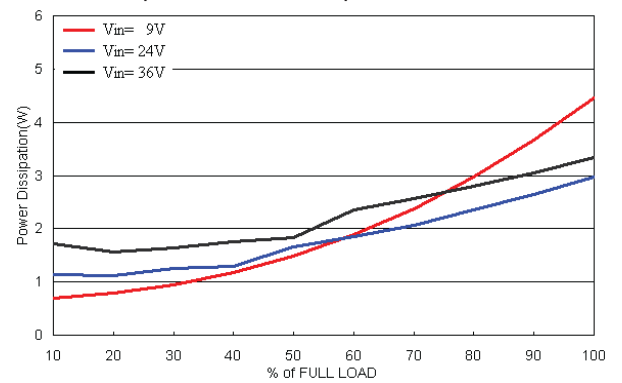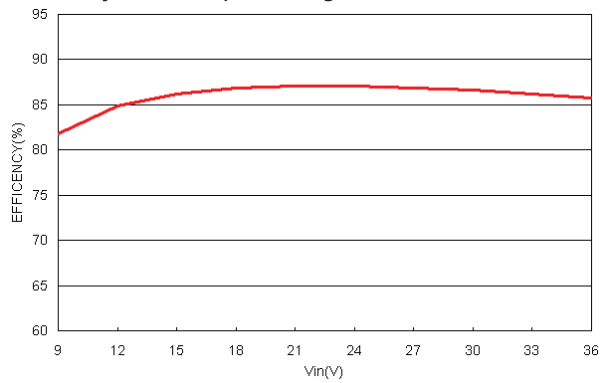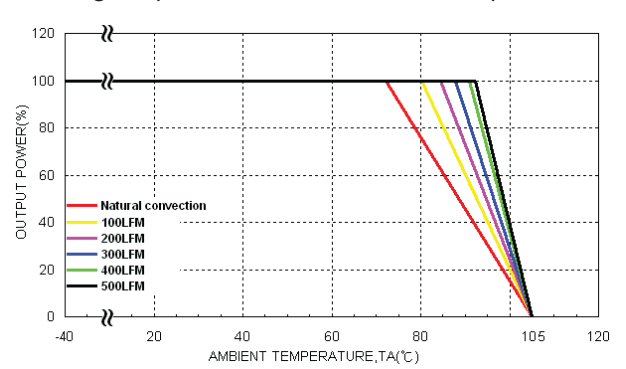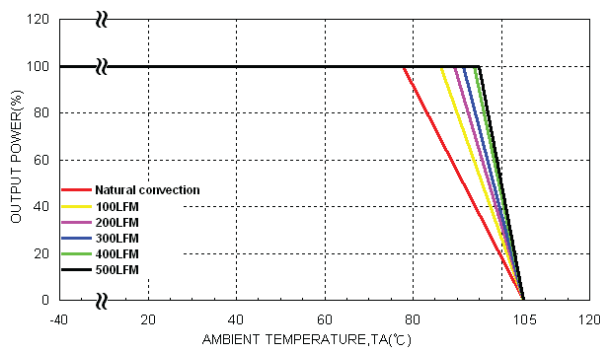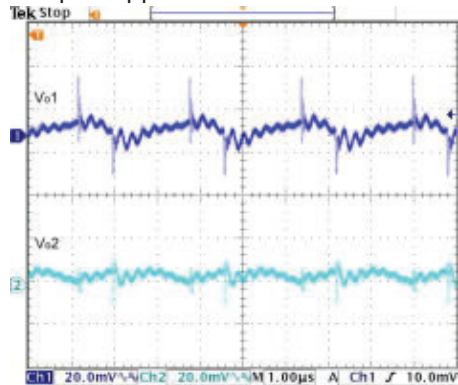Remote on/off Voltage Start-Up Characteristic

TEN 20-2421WIN

Efficiency versus Output Load

Efficiency versus Input Voltage

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

Power Dissipation versus Output Load

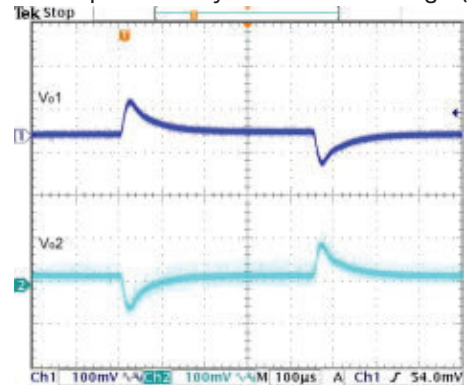### Derating Output Load versus Ambient Temperature
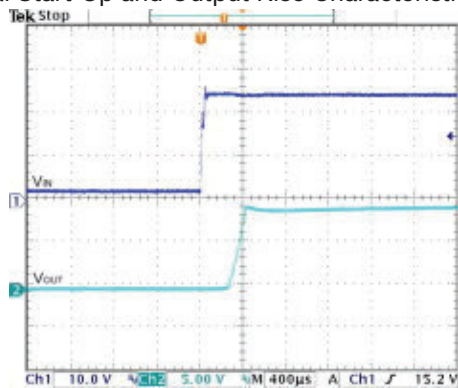
TEN 20-2421WIN

Typical Output Ripple and Noise
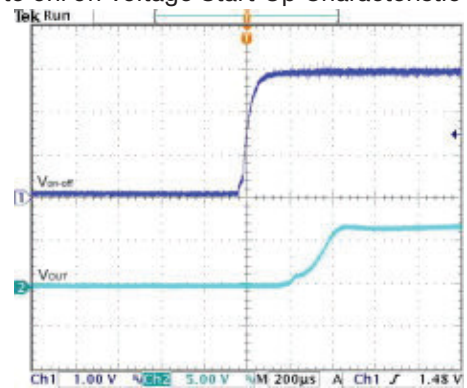

Transient Response to Dynamic Load Change (25%)
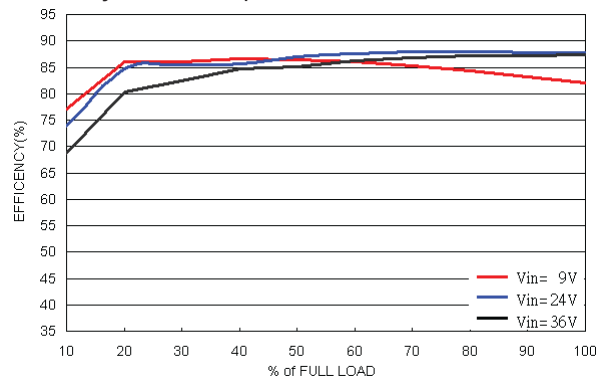

Typical Start-Up and Output Rise Characteristic

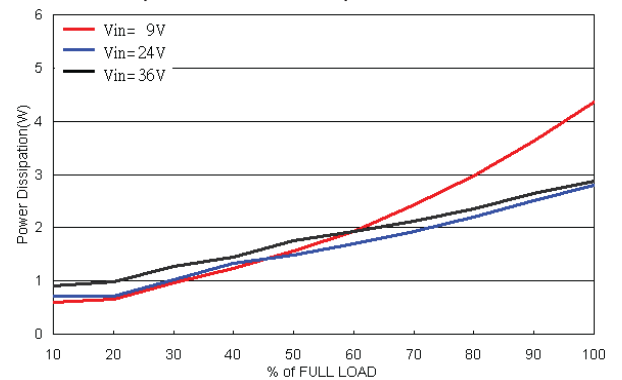Remote on/off Voltage Start-Up Characteristic

III TRACO POWER

TEN 20-2422WIN

Efficiency versus Output Load

Efficiency versus Input Voltage

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

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

TEN 20-2422WIN

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic

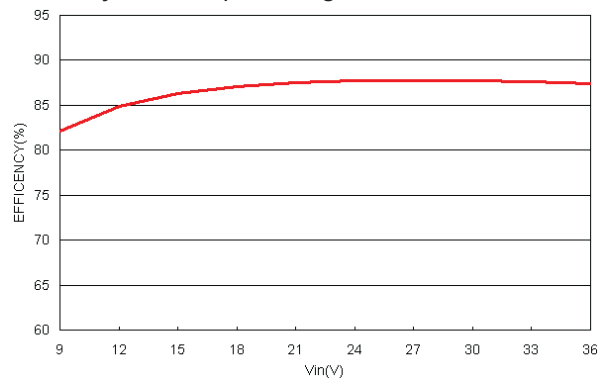Remote on/off Voltage Start-Up Characteristic

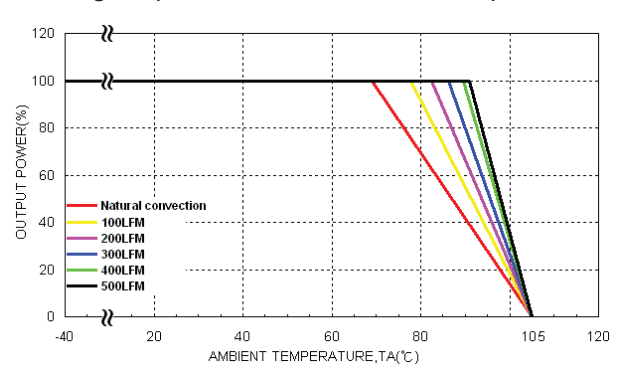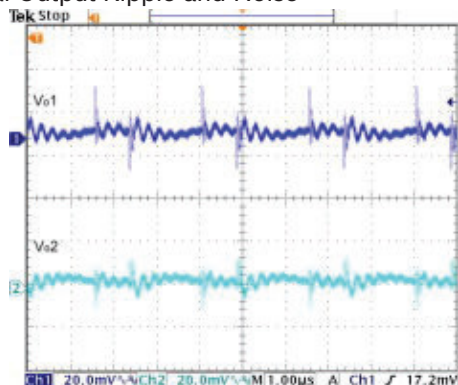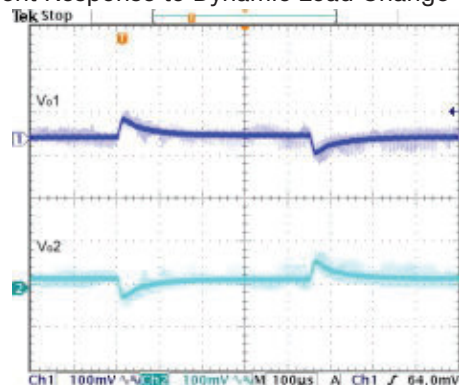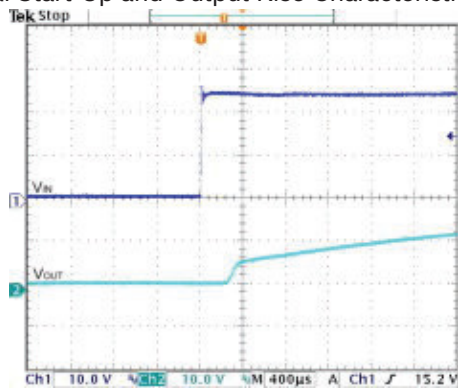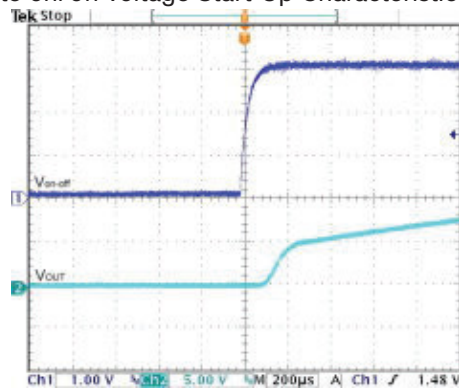## TEN 20-2423WIN

Efficiency versus Output Load

Efficiency versus Input Voltage

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

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

TEN 20-2423WIN

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)
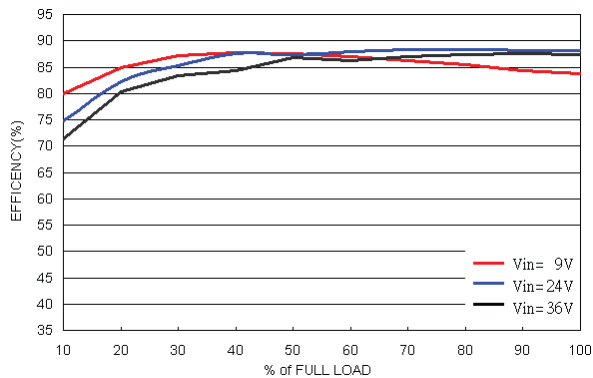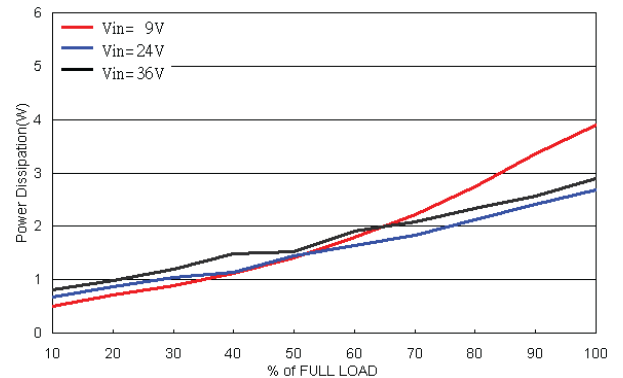

Typical Start-Up and Output Rise Characteristic

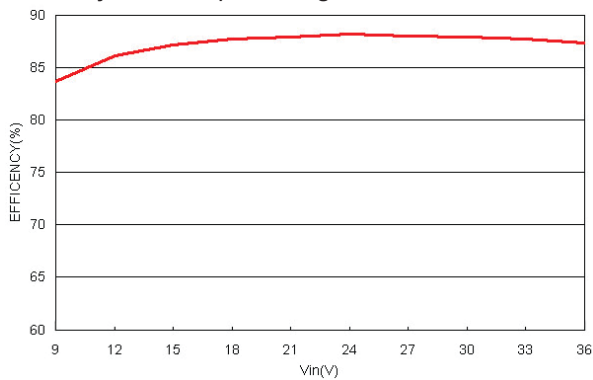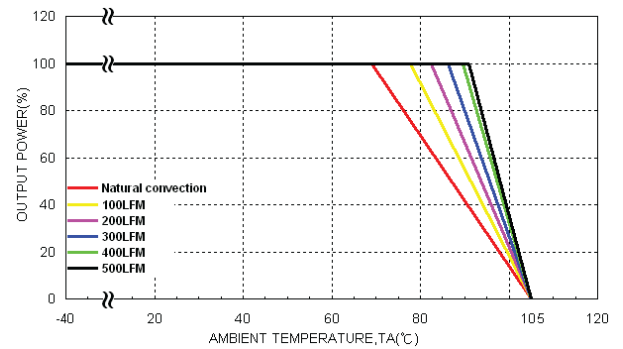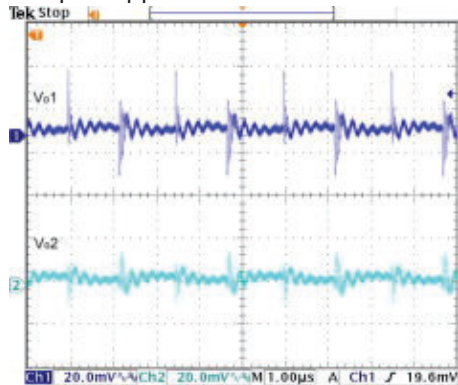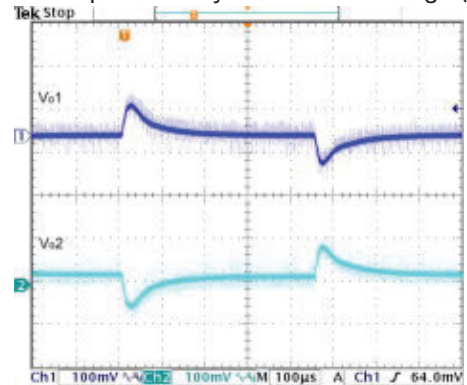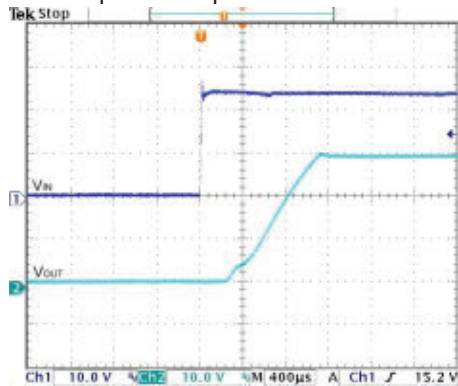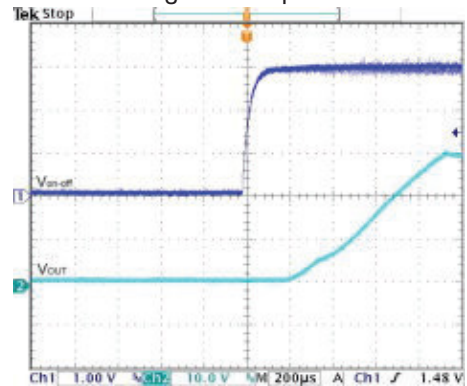
Remote on/off Voltage Start-Up Characteristic

TEN 20-4810WIN

Efficiency versus Output Load

Efficiency versus Input Voltage

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

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

TEN 20-4810WIN

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)
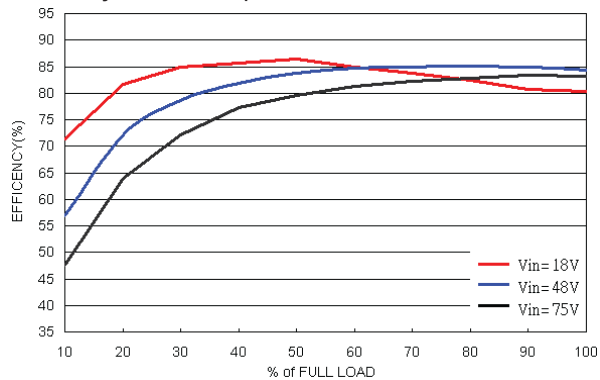

Typical Start-Up and Output Rise Characteristic

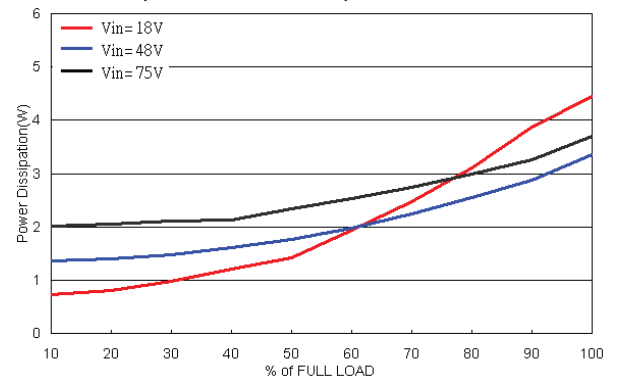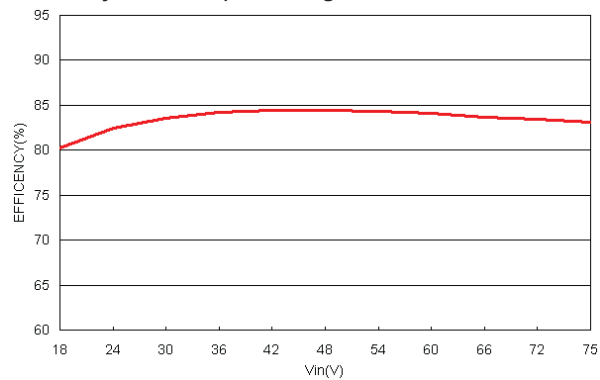Remote on/off Voltage Start-Up Characteristic

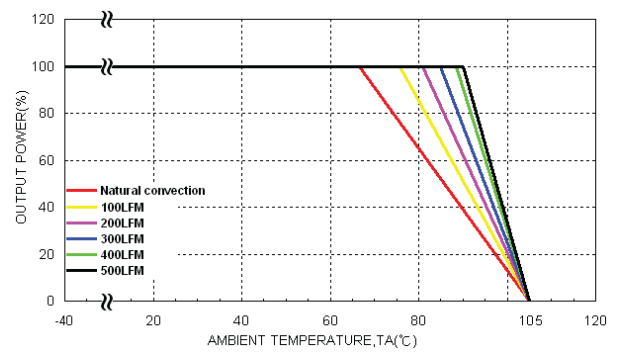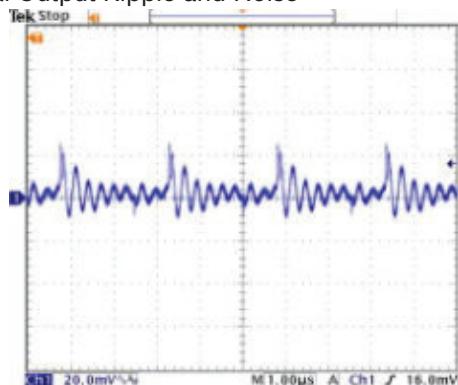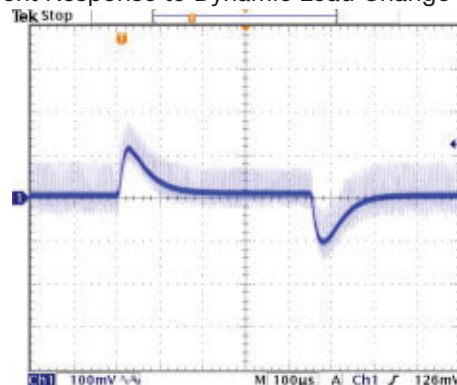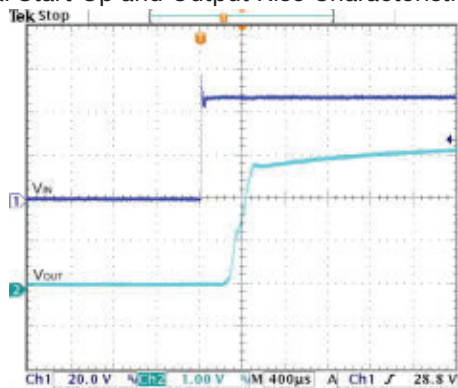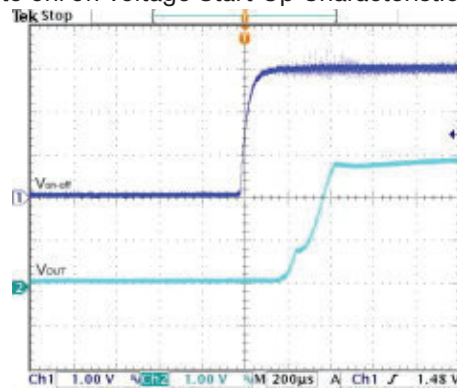## TEN 20-4811WIN

Efficiency versus Output Load

Efficiency versus Input Voltage

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

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

TEN 20-4811WIN

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)
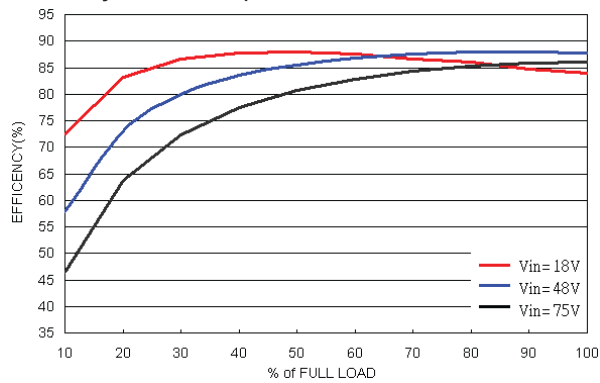

Typical Start-Up and Output Rise Characteristic

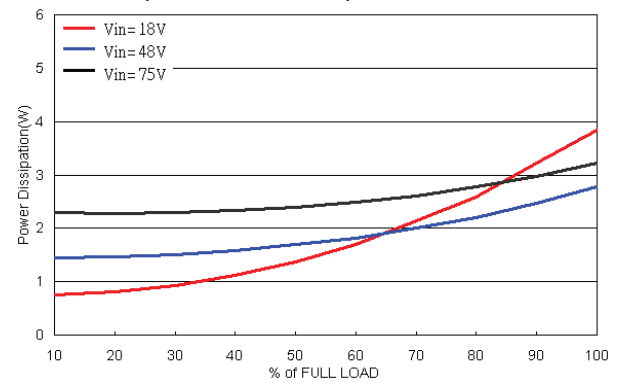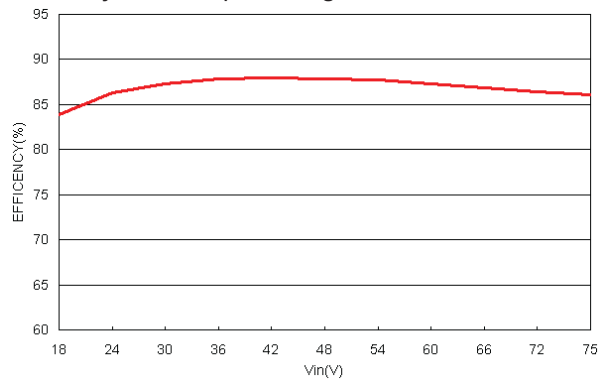Remote on/off Voltage Start-Up Characteristic

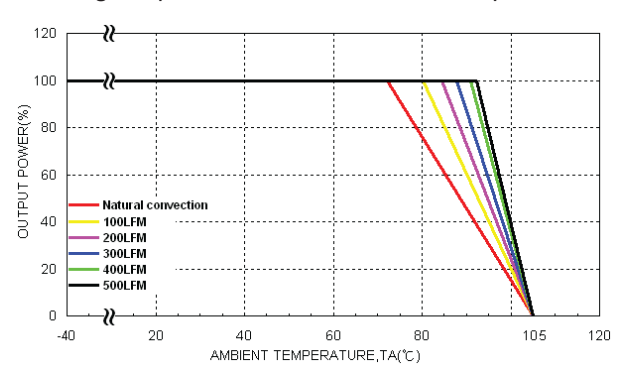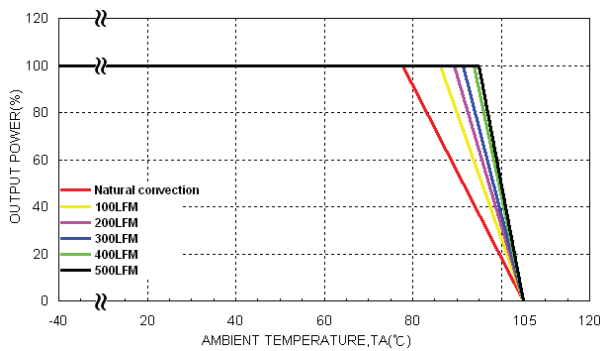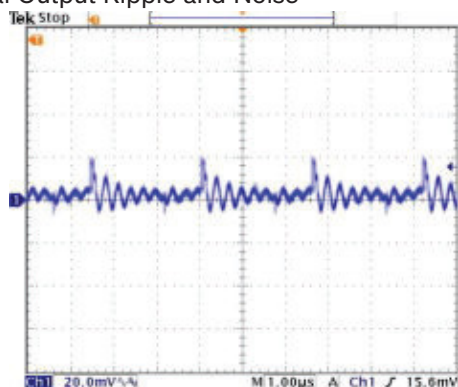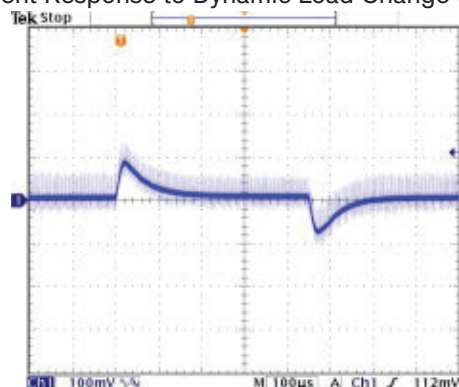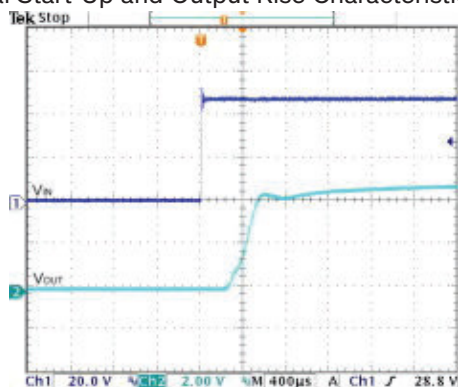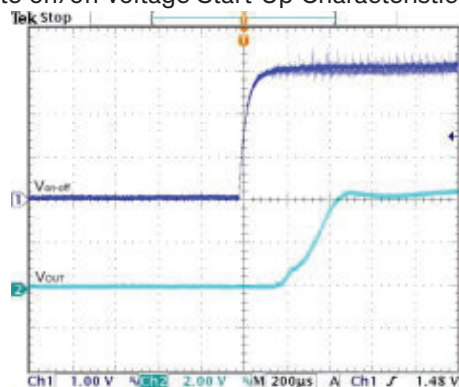## TEN 20-4812WIN

Efficiency versus Output Load

Efficiency versus Input Voltage

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

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

III TRACO POWER

TEN 20-4812WIN

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic
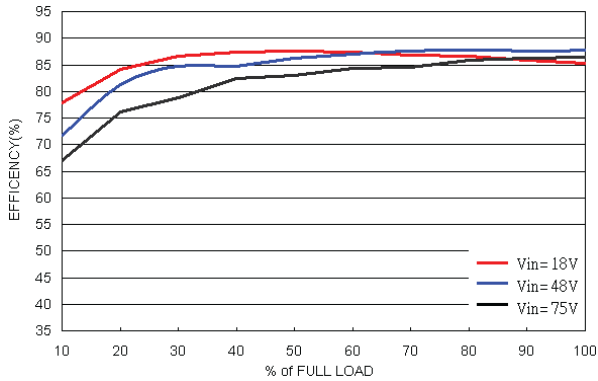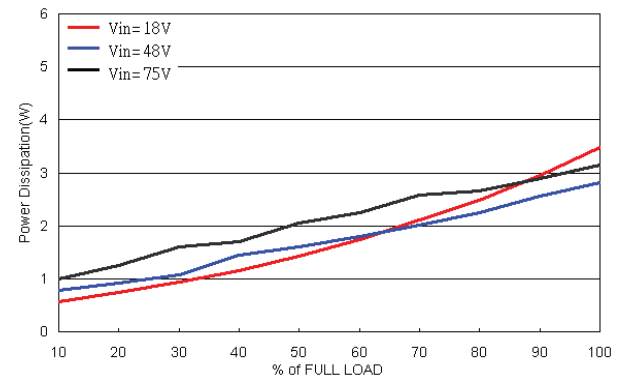

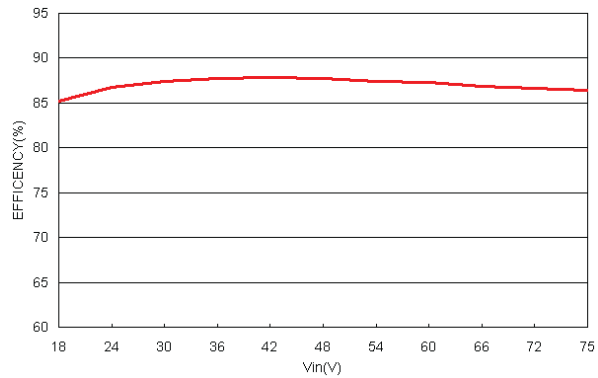Remote on/off Voltage Start-Up Characteristic

TEN 20-4813WIN
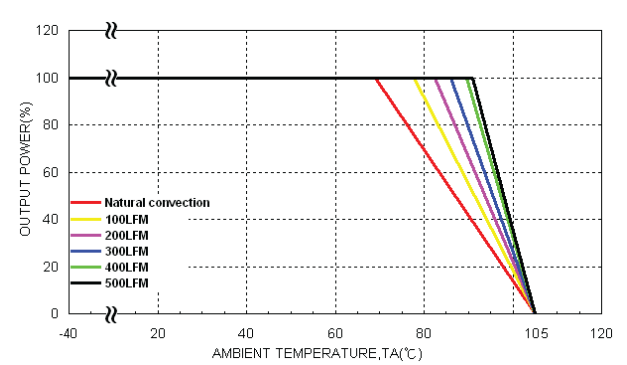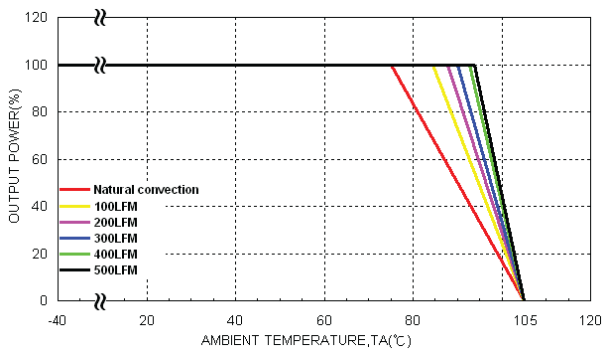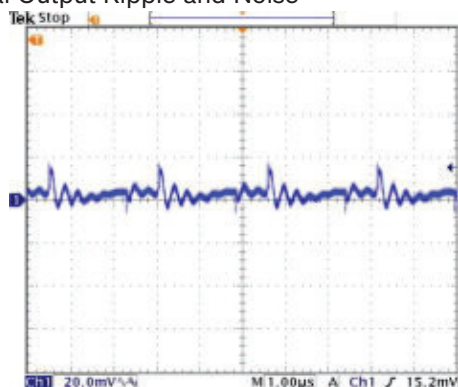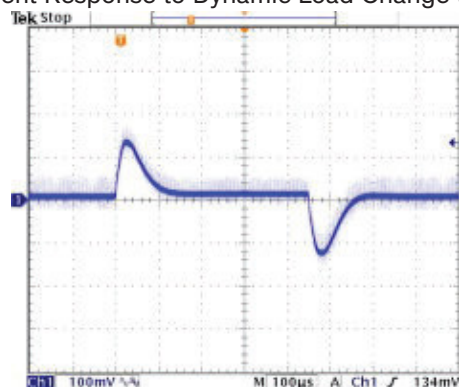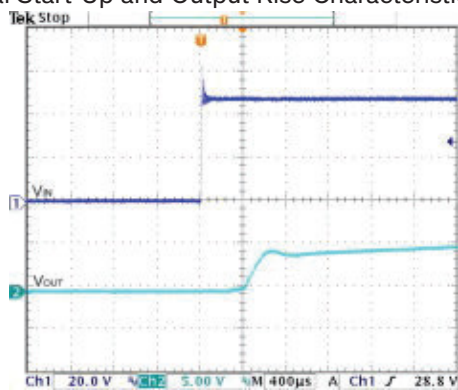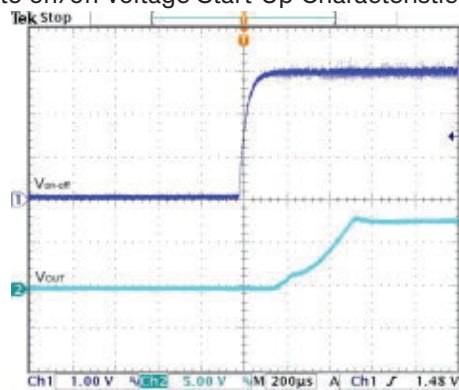
Efficiency versus Output Load

Efficiency versus Input Voltage

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

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

TEN 20-4813WIN

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)
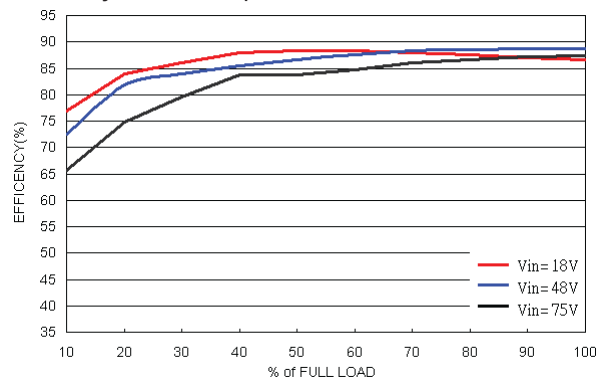
Typical Start-Up and Output Rise Characteristic
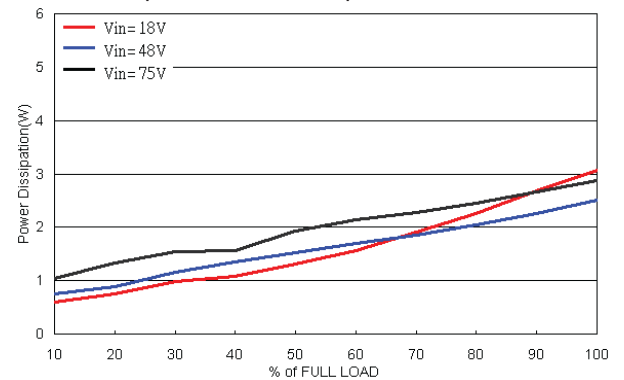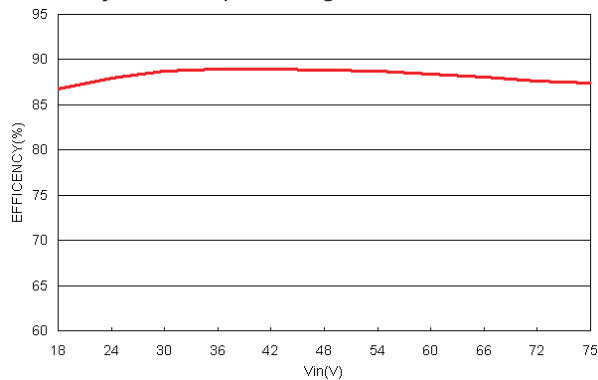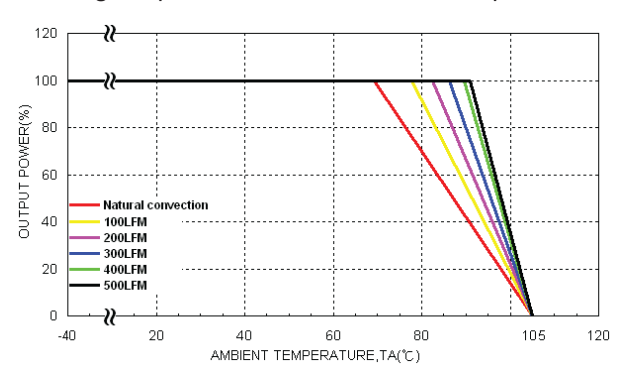
Remote on/off Voltage Start-Up Characteristic

III TRACO POWER

TEN 20-4821WIN

Efficiency versus Output Load
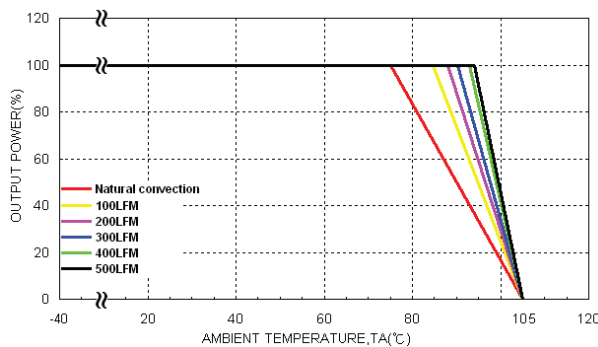

Power Dissipation versus Output Load

Efficiency versus Input Voltage
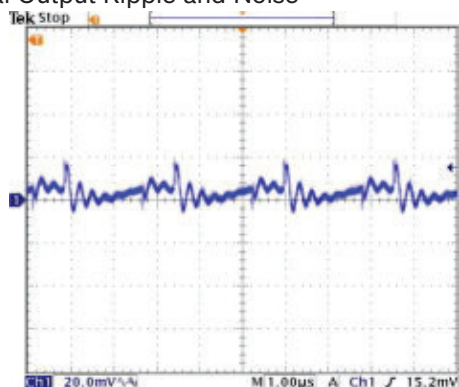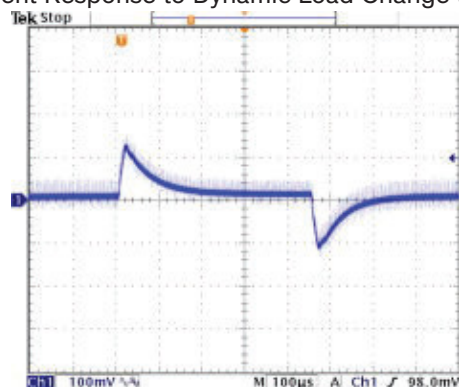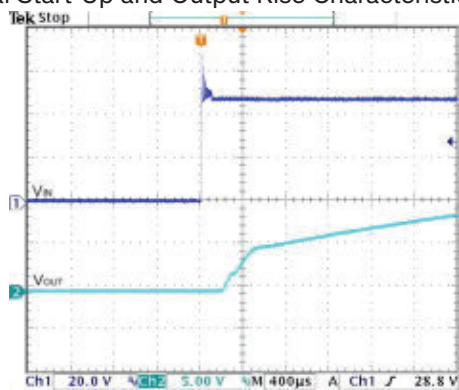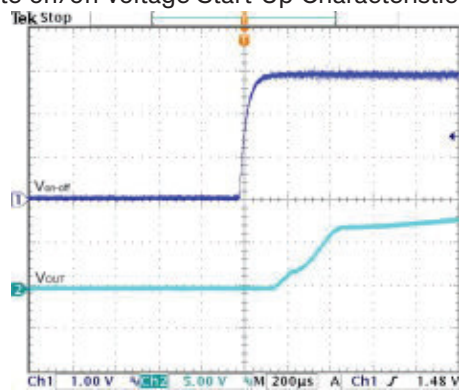

Derating Output Load versus Ambient Temperature

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

TRACO POWER

TEN 20-4821WIN

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)
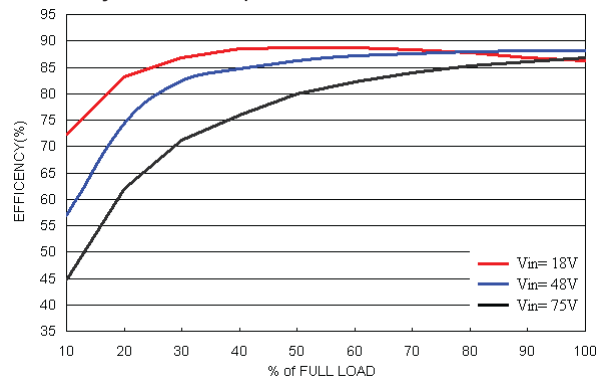

Typical Start-Up and Output Rise Characteristic

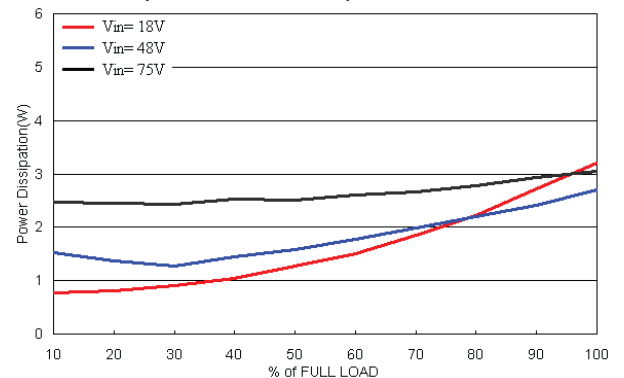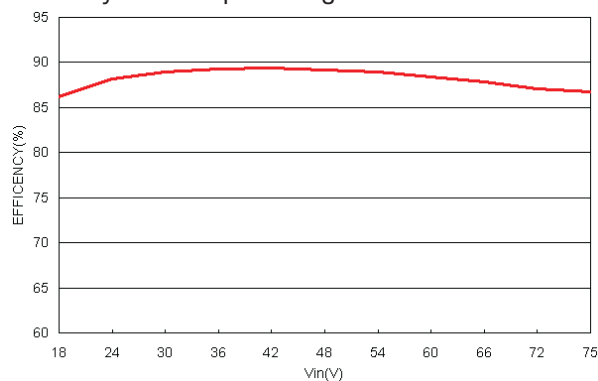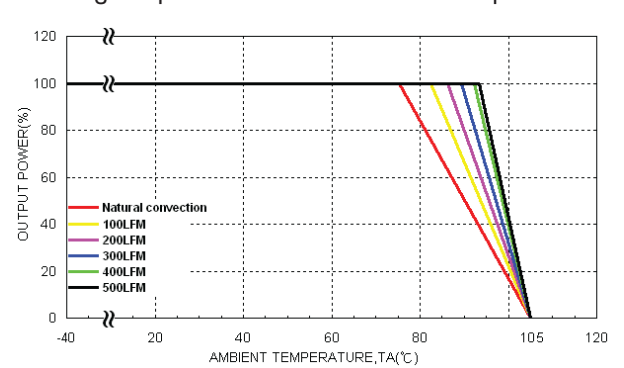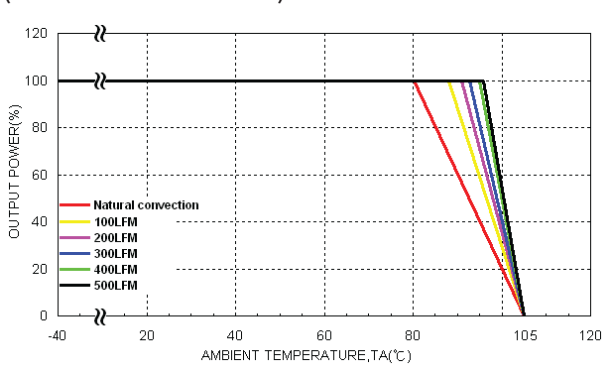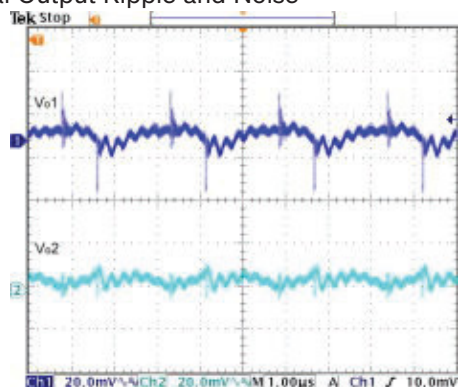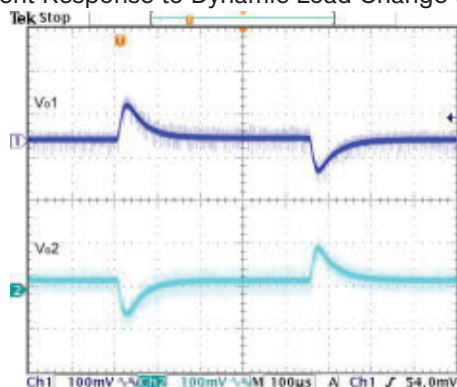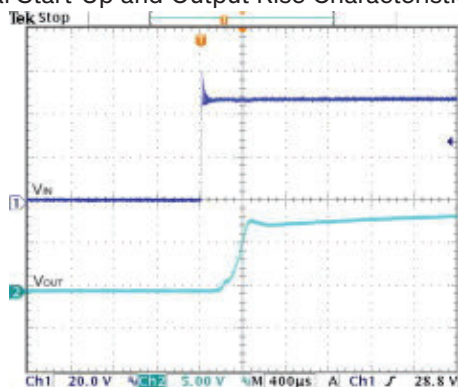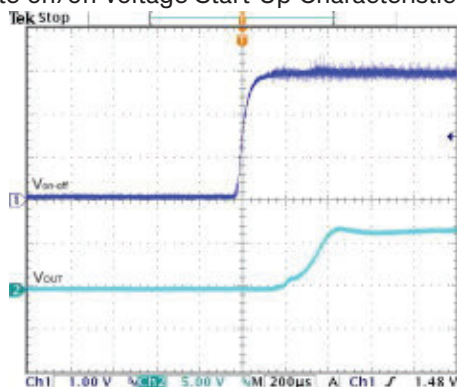Remote on/off Voltage Start-Up Characteristic

■Ⅱ TRACO POWER

TEN 20-4822WIN

Efficiency versus Output Load

Efficiency versus Input Voltage

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

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

TEN 20-4822WIN

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)
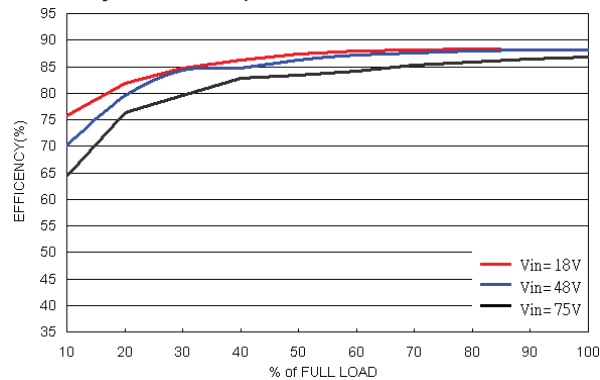

Typical Start-Up and Output Rise Characteristic

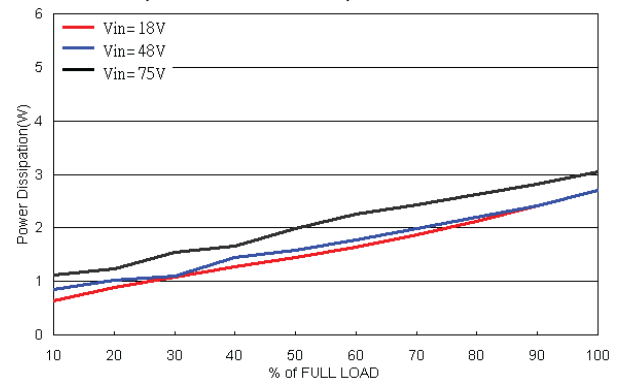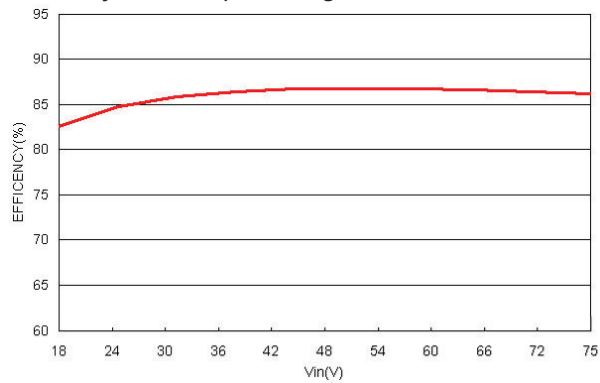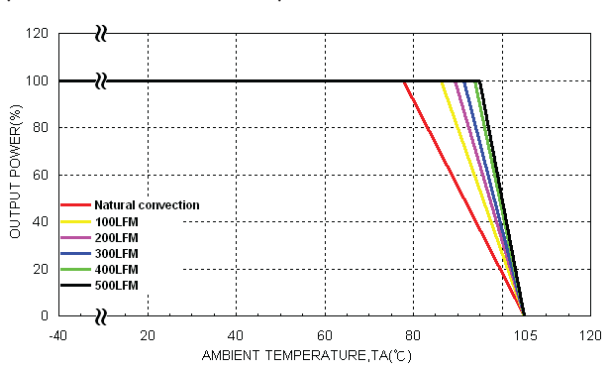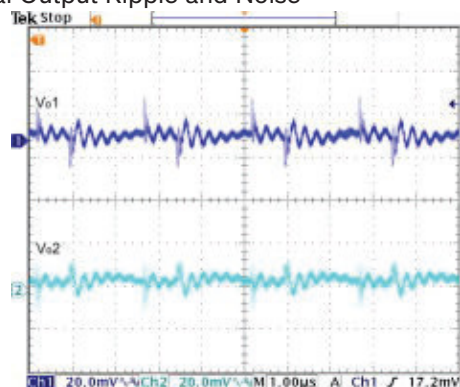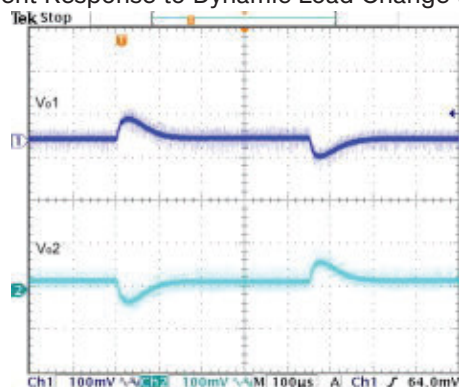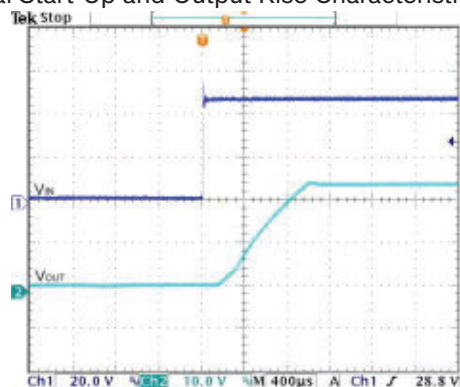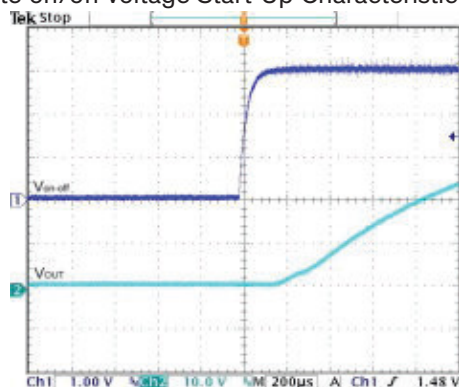Remote on/off Voltage Start-Up Characteristic

III TRACO POWER

TEN 20-4823WIN

Efficiency versus Output Load

Efficiency versus Input Voltage

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

Power Dissipation versus Output Load

Derating Output Load versus Ambient Temperature

TEN 20-4823WIN

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)
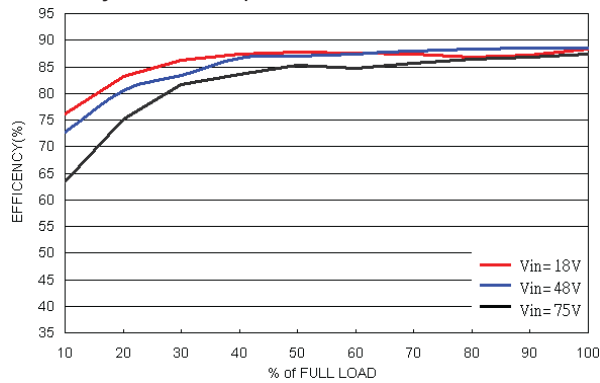
Typical Start-Up and Output Rise Characteristic
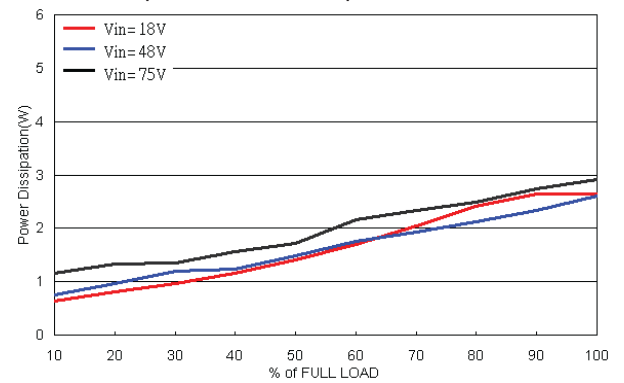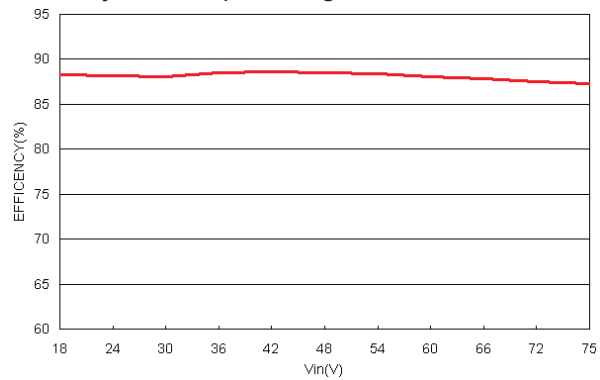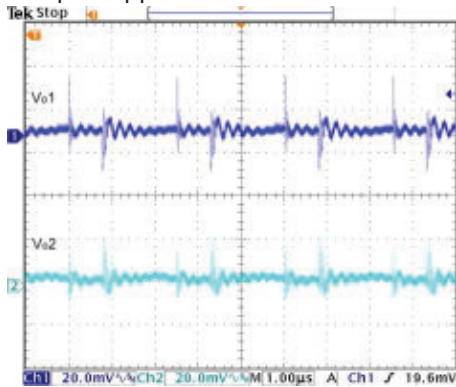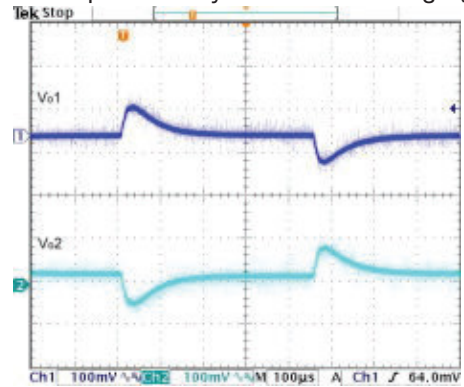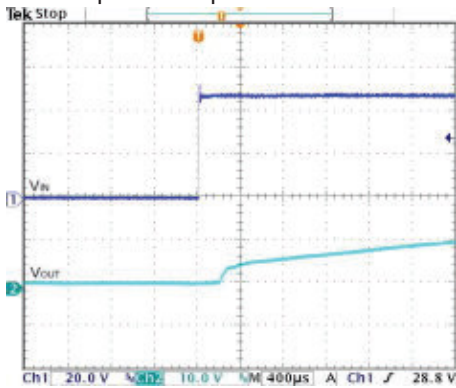
Remote on/off Voltage Start-Up Characteristic