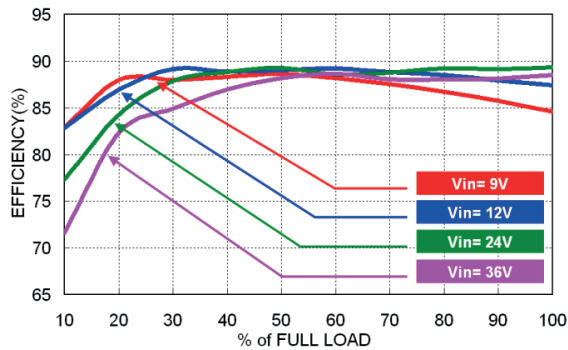# TRACO POWER

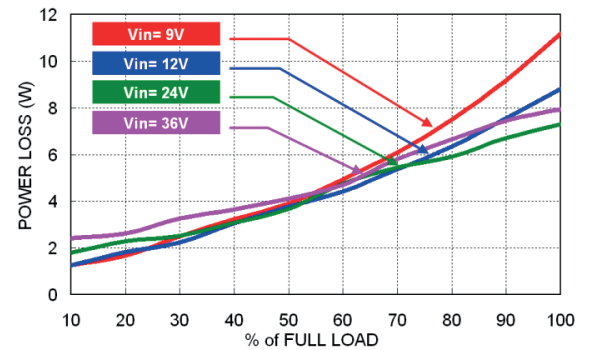## Characteristic Curves
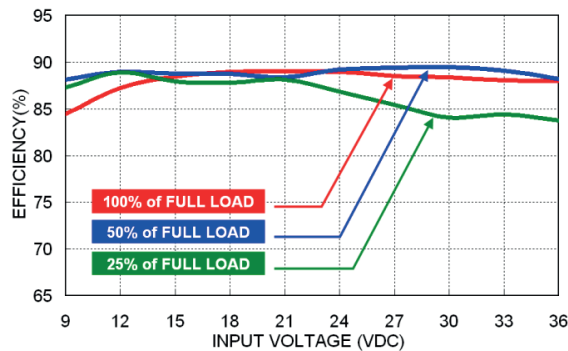
THM 60-2411WI

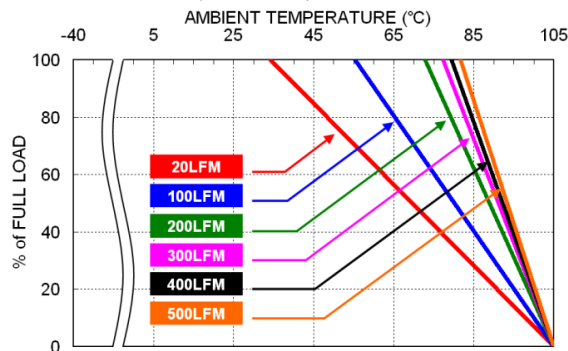Efficiency versus Output Load

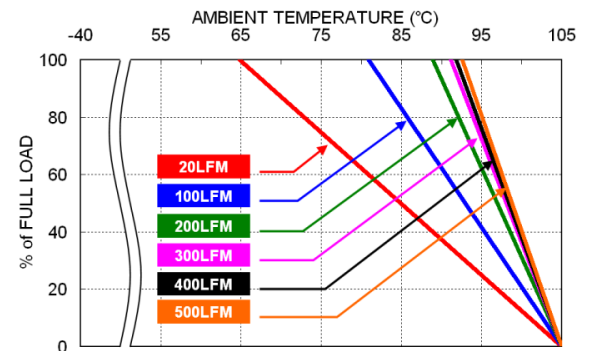

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature without Heat Sink (Standard)
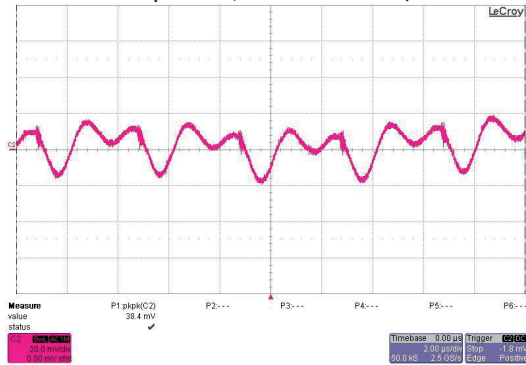

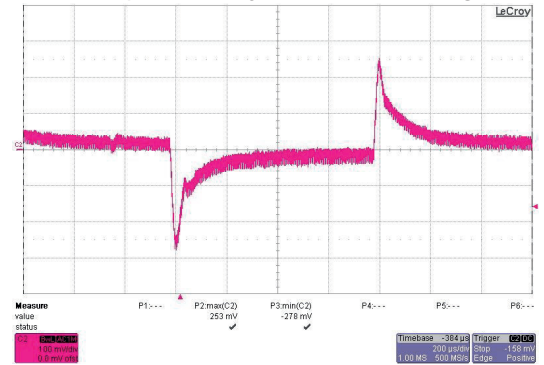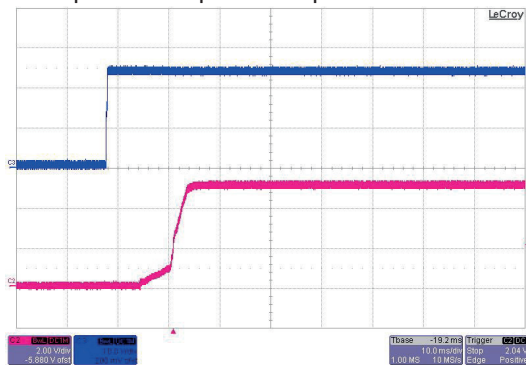Derating Output Load versus Ambient Temperature with Heat Sink

III **TRACO POWER**

THM 60-2411WI

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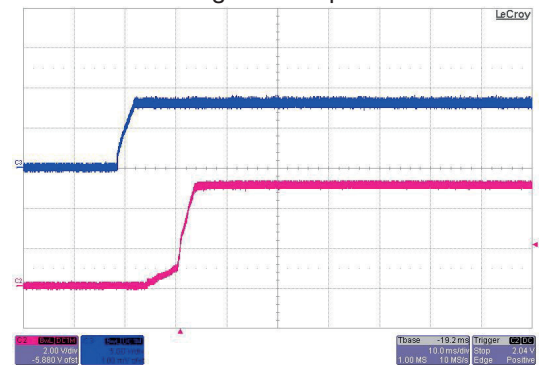(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

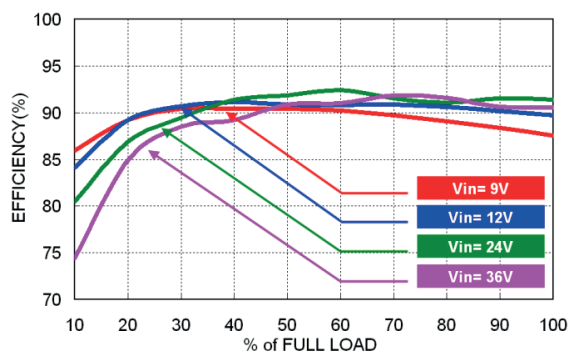### Typical Input Start-Up and Output Rise Characteristic

Remote On/Off Voltage Start-Up Characteristic

THM 60-2412WI

Efficiency versus Output Load

EFFICIENCY (%)

% of FULL LOAD

Vin= 9V
Vin= 12V
Vin= 24V
Vin= 36V

Power Dissipation versus Output Load

POWER LOSS (W)

% of FULL LOAD

Vin= 9V
Vin= 12V
Vin= 24V
Vin= 36V

Efficiency versus Input Voltage

EFFICIENCY (%)

INPUT VOLTAGE (VDC)

100% of FULL LOAD
50% of FULL LOAD
25% of FULL LOAD

Derating Output Load versus Ambient Temperature without Heat Sink (Standard)

AMBIENT TEMPERATURE (°C)

% of FULL LOAD

20LFM
100LFM
200LFM
300LFM
400LFM
500LFM

Derating Output Load versus Ambient Temperature with Heat Sink

AMBIENT TEMPERATURE (°C)

% of FULL LOAD

20LFM
100LFM
200LFM
300LFM
400LFM
500LFM

THM 60-2412WI

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

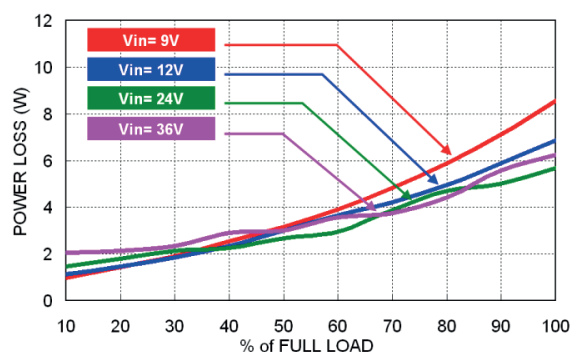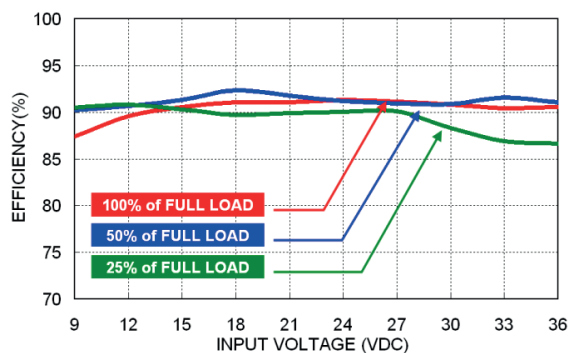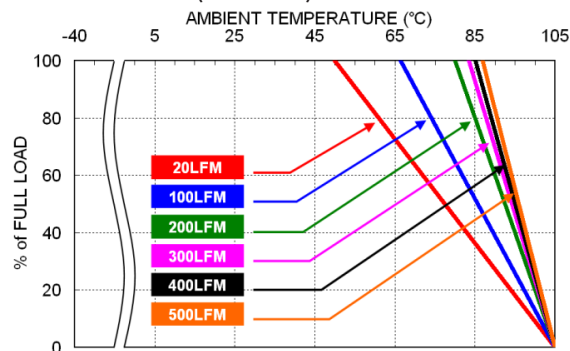Remote On/Off Voltage Start-Up Characteristic

THM 60-2413WI

Efficiency versus Output Load
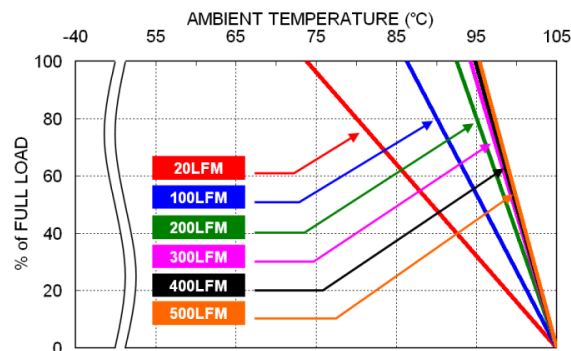

Power Dissipation versus Output Load

Efficiency versus Input Voltage

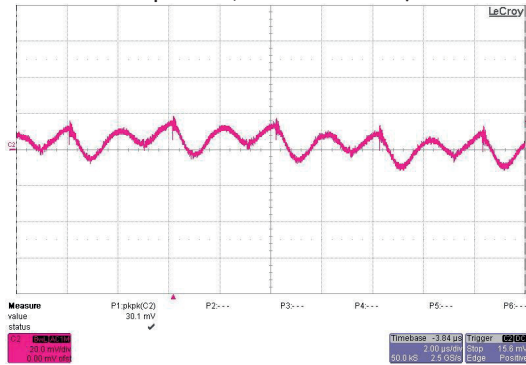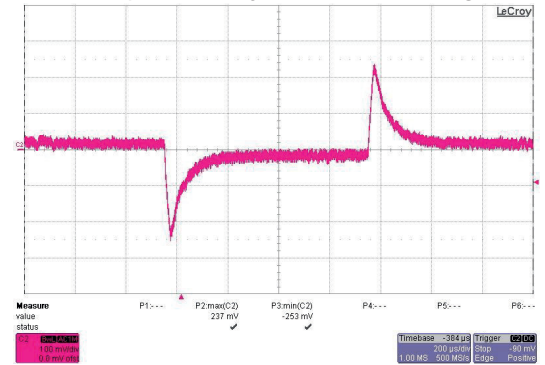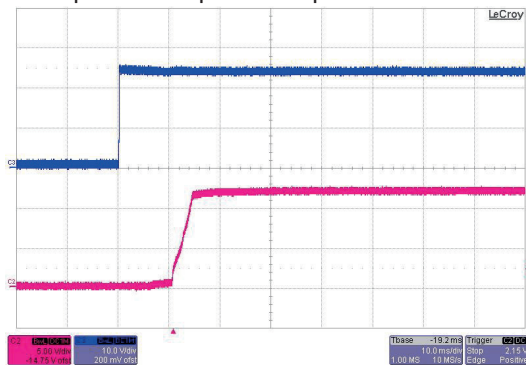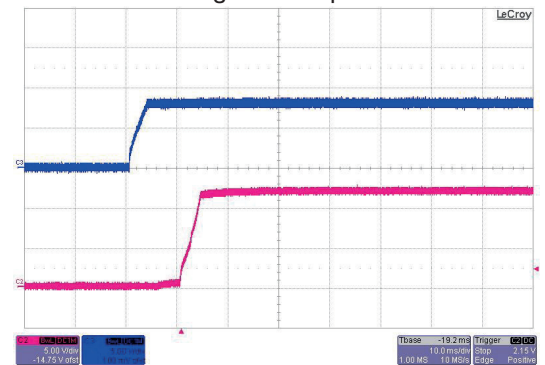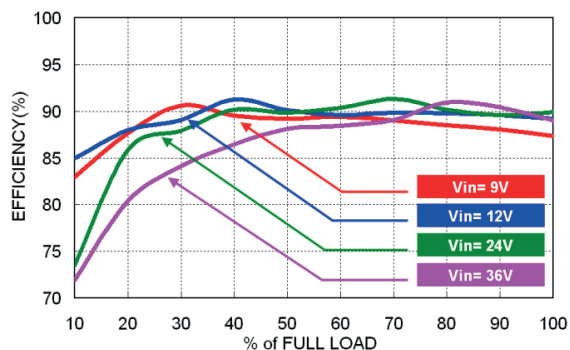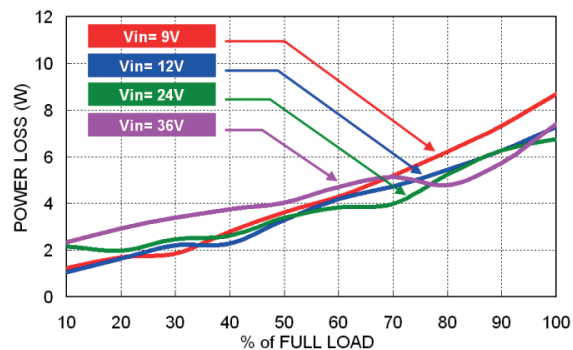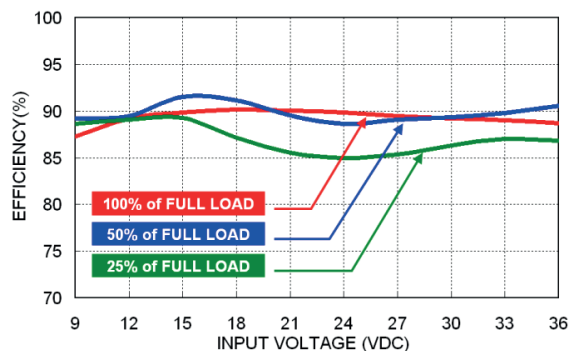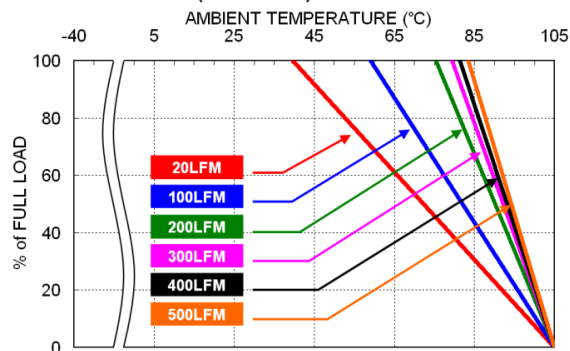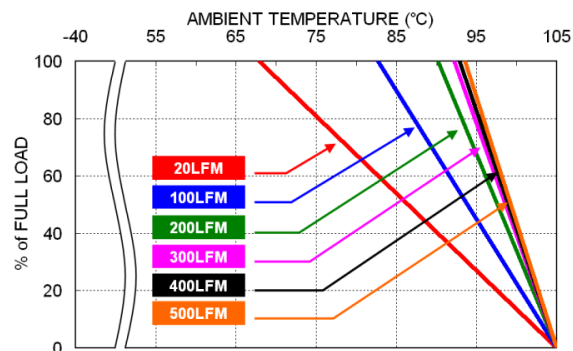### Derating Output Load versus Ambient Temperature without Heat Sink (Standard)
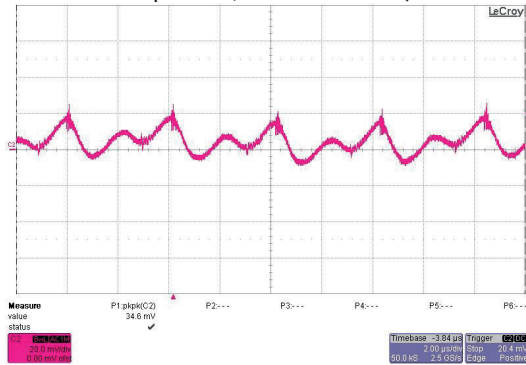

Derating Output Load versus Ambient Temperature with Heat Sink
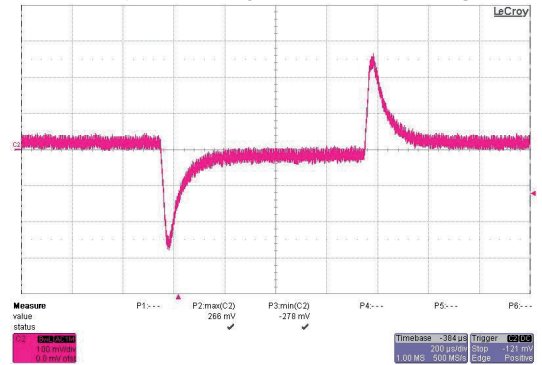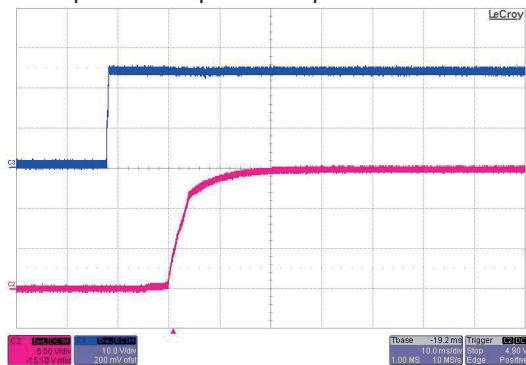
THM 60-2413WI

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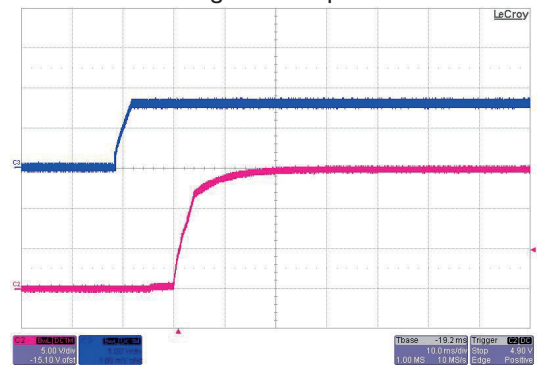

Transient Response to Dynamic Load Change (25%)

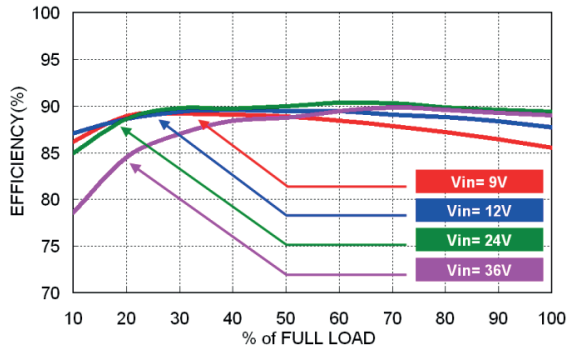Typical Input Start-Up and Output Rise Characteristic

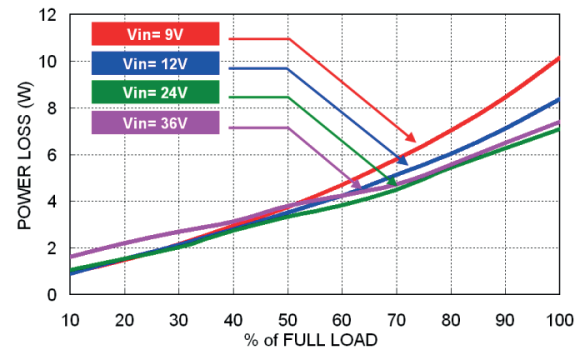
Remote On/Off Voltage Start-Up Characteristic
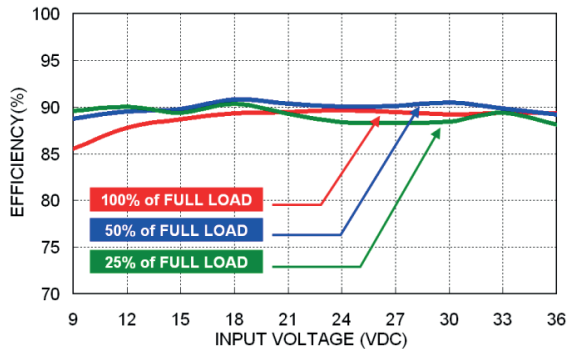
THM 60-2415WI
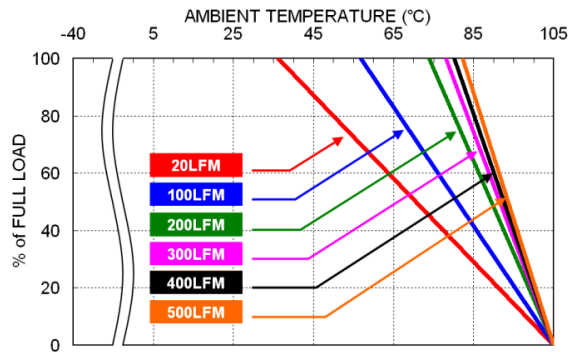
Efficiency versus Output Load

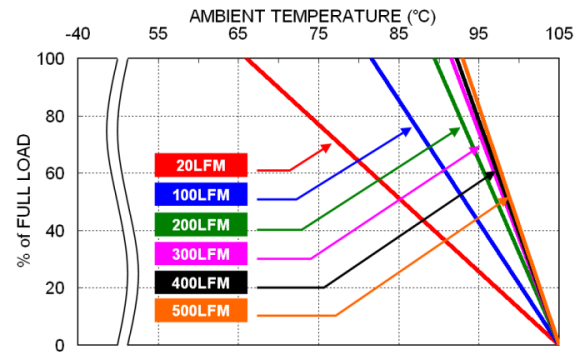### Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature without Heat Sink (Standard)

Derating Output Load versus Ambient Temperature with Heat Sink

THM 60-2415WI

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

THM 60-2422WI

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

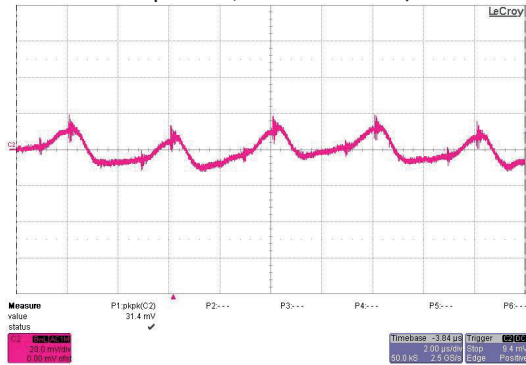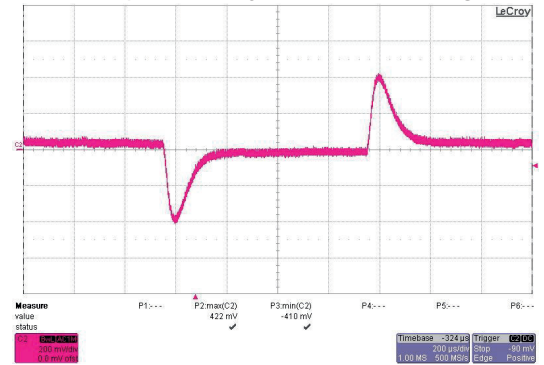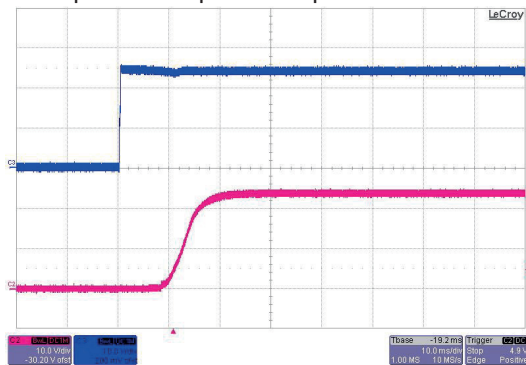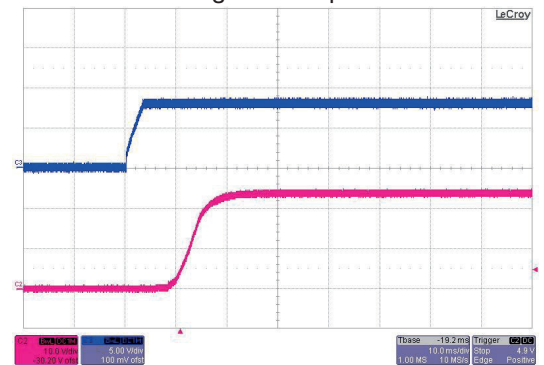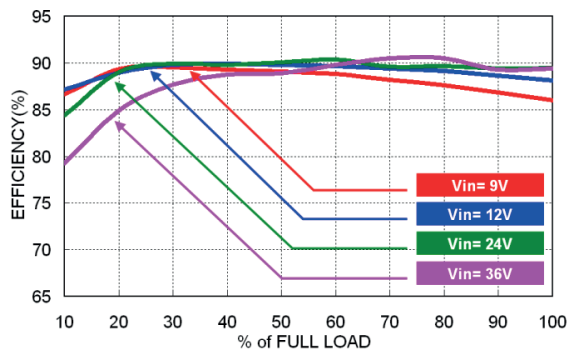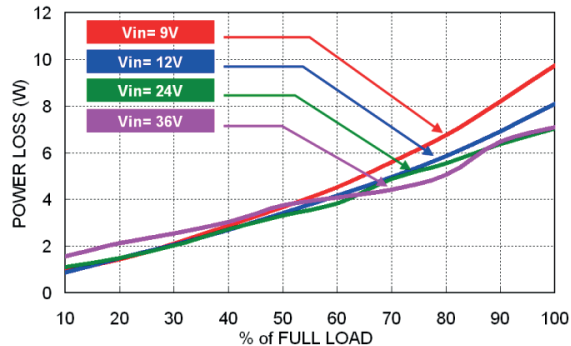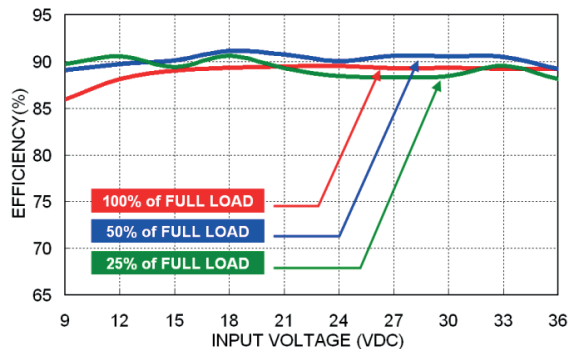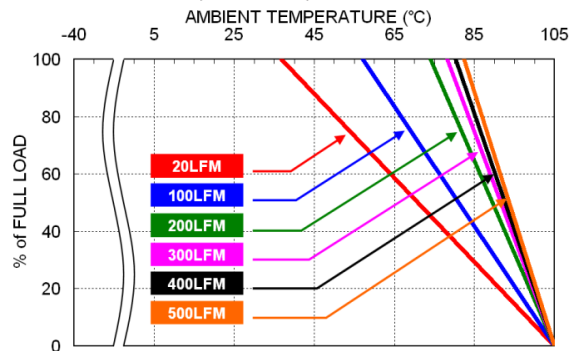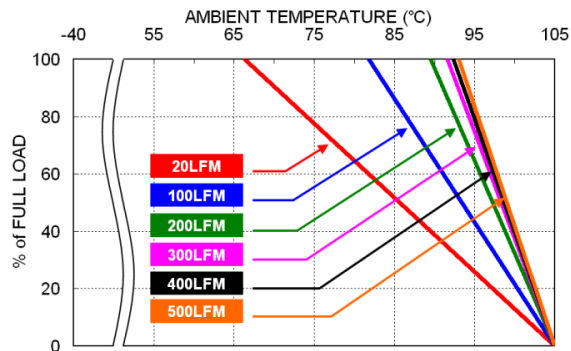Derating Output Load versus Ambient Temperature without Heat Sink (Standard)
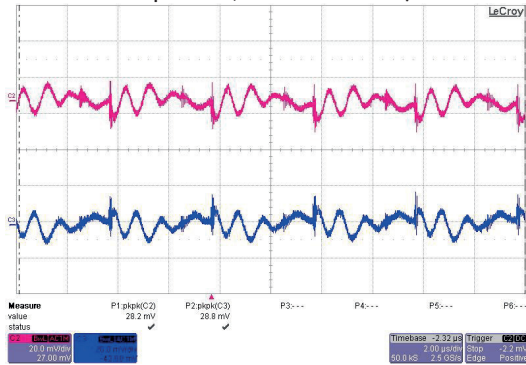

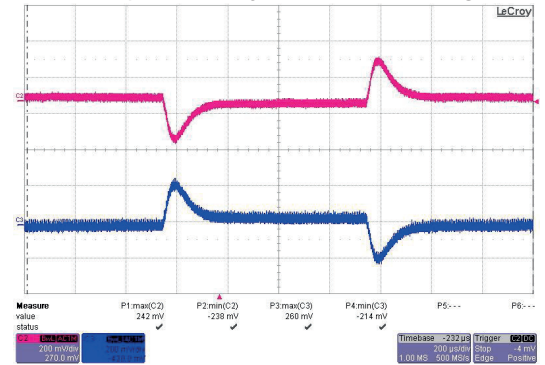Derating Output Load versus Ambient Temperature with Heat Sink
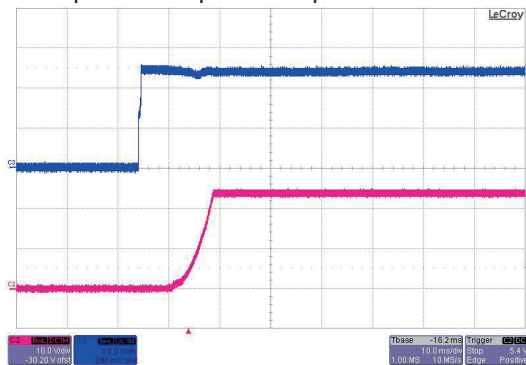
THM 60-2422WI

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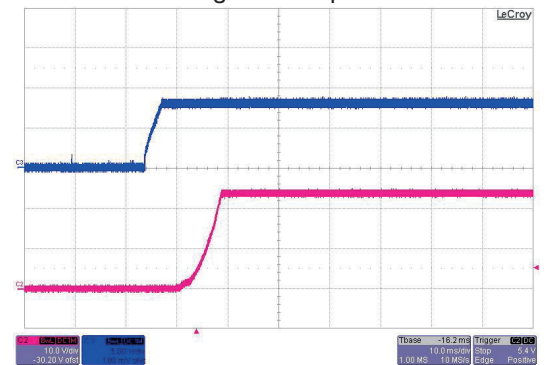(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)
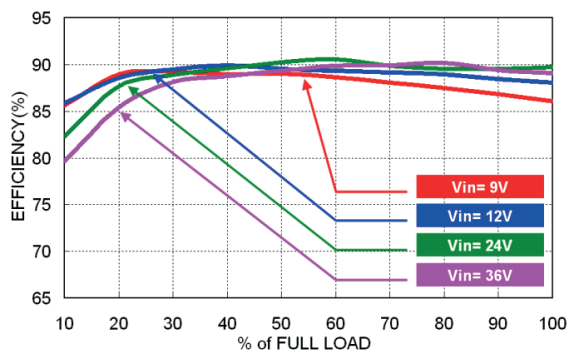

Typical Input Start-Up and Output Rise Characteristic

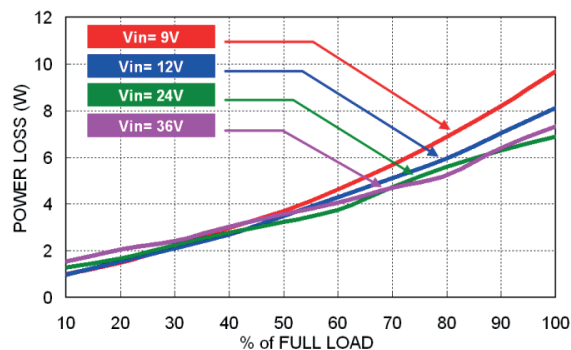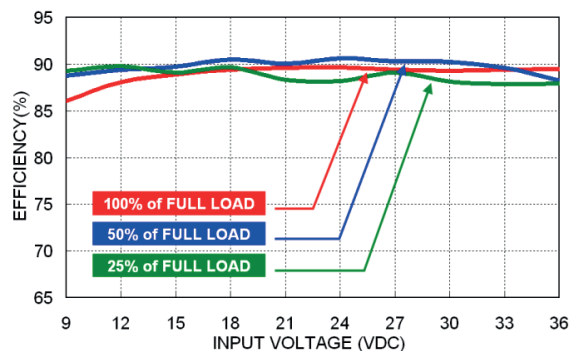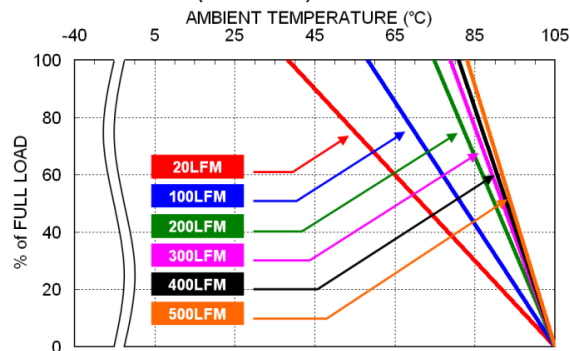
Remote On/Off Voltage Start-Up Characteristic

THM 60-2423WI

Efficiency versus Output Load
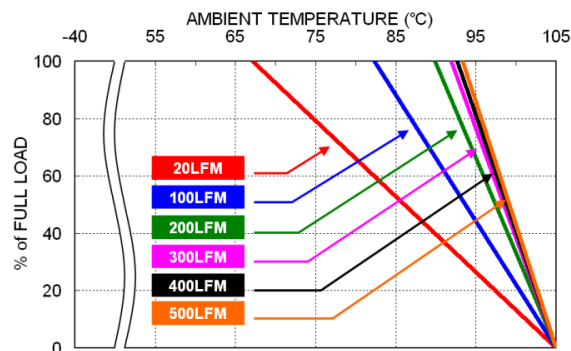

Power Dissipation versus Output Load

Efficiency versus Input Voltage

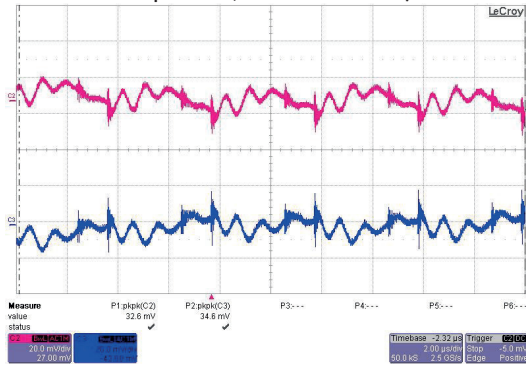### Derating Output Load versus Ambient Temperature without Heat Sink (Standard)

Derating Output Load versus Ambient Temperature with Heat Sink
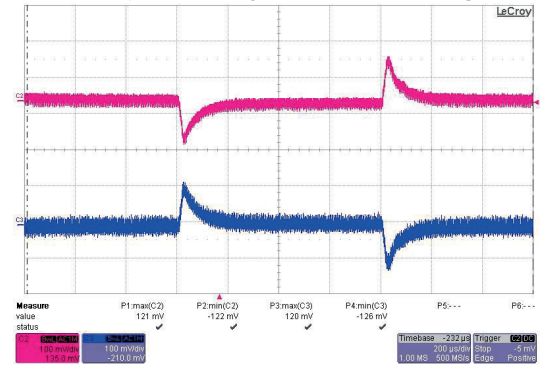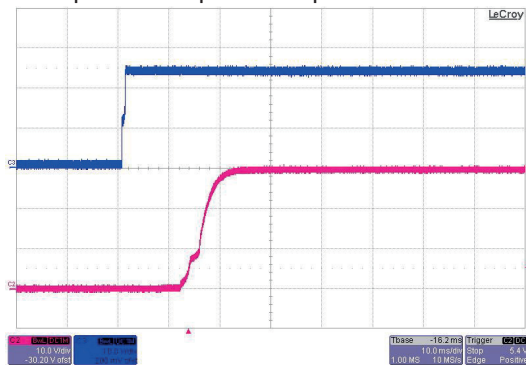
THM 60-2423WI

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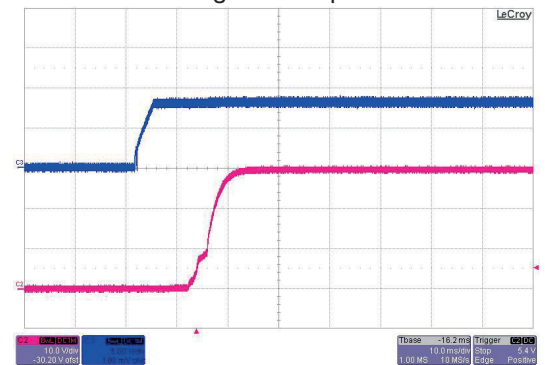(with external capacitor; see datasheet)

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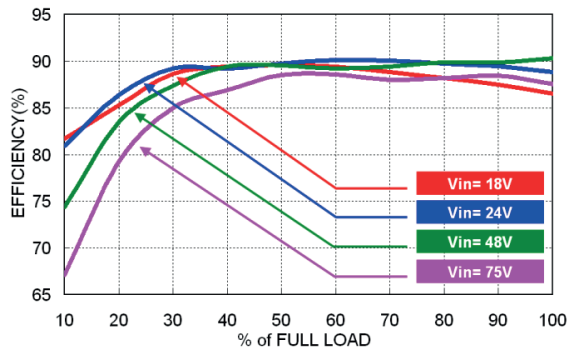
Typical Input Start-Up and Output Rise Characteristic

Remote On/Off Voltage Start-Up Characteristic
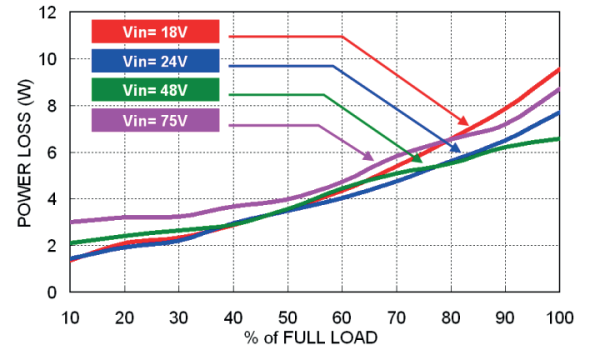
TRACO POWER
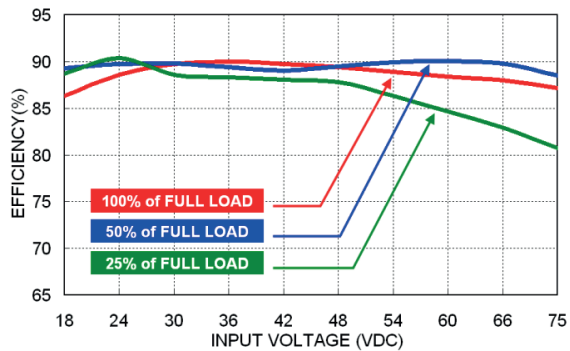
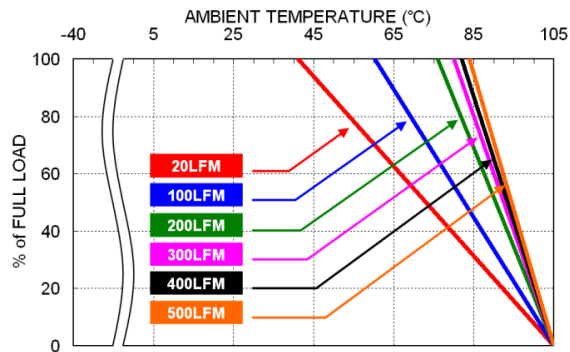## THM 60-4811WI

Efficiency versus Output Load

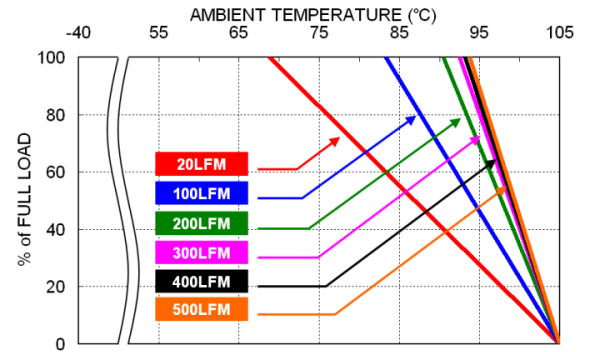Power Dissipation versus Output Load

Efficiency versus Input Voltage

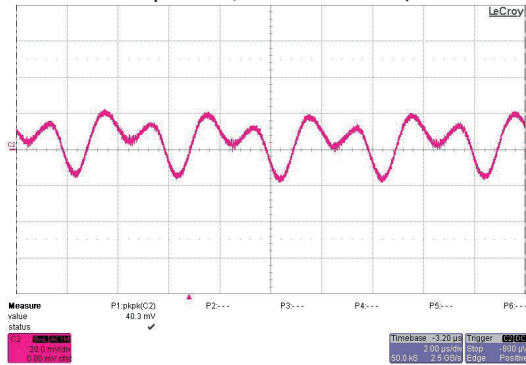Derating Output Load versus Ambient Temperature without Heat Sink (Standard)

Derating Output Load versus Ambient Temperature with Heat Sink
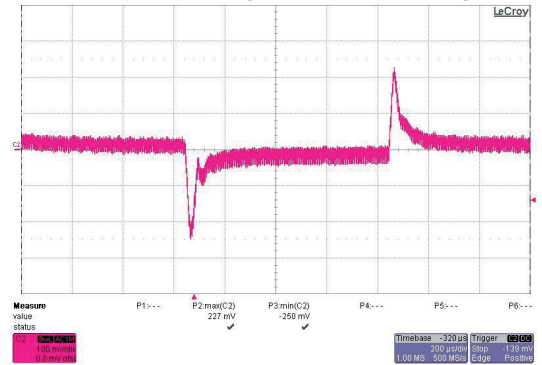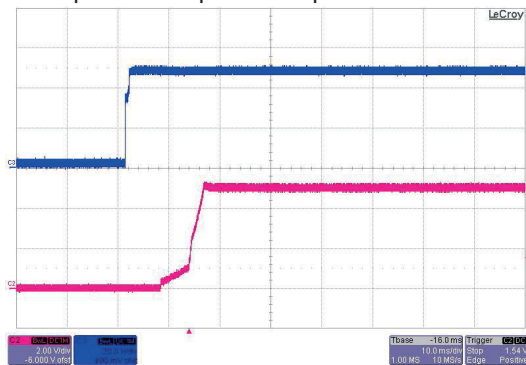
THM 60-4811WI

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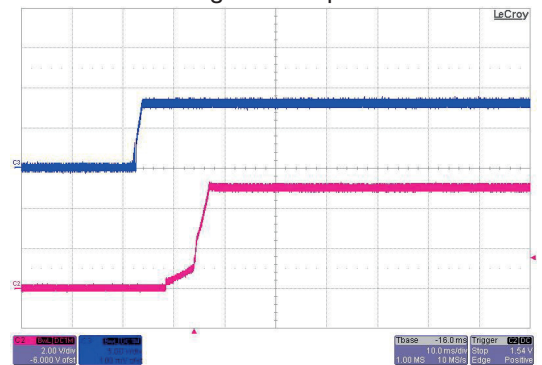(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)
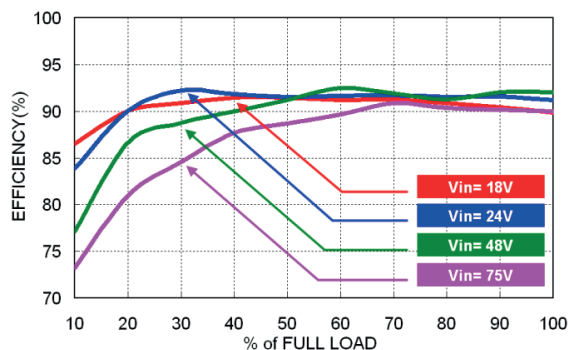

Typical Input Start-Up and Output Rise Characteristic

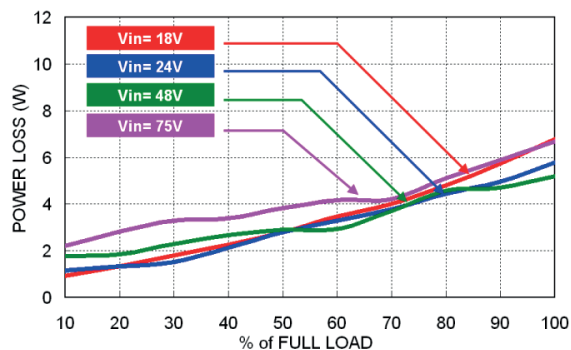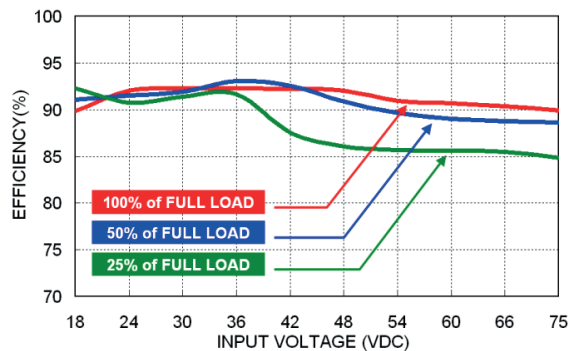
Remote On/Off Voltage Start-Up Characteristic

TRACO POWER

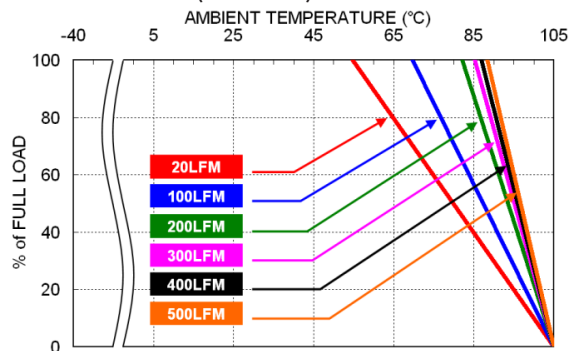## THM 60-4812WI

Efficiency versus Output Load

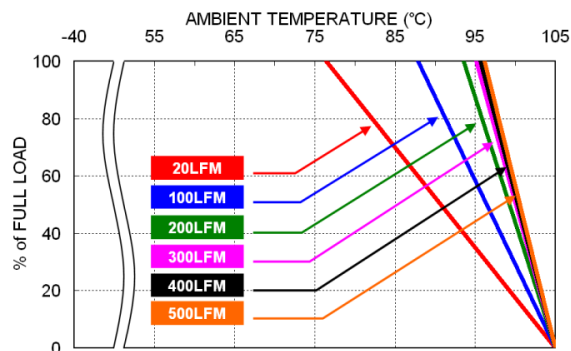### Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature without Heat Sink (Standard)
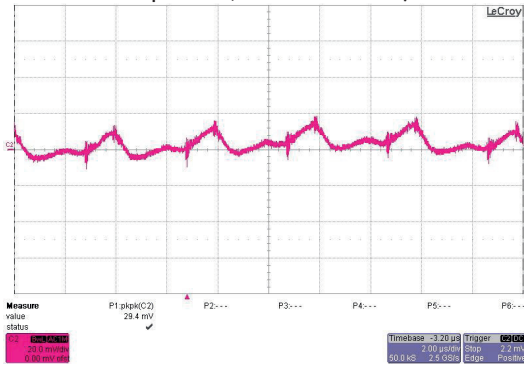

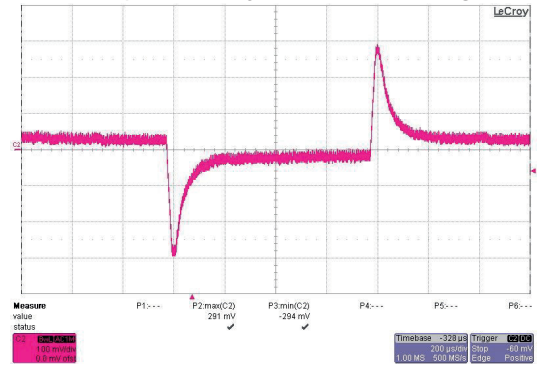### Derating Output Load versus Ambient Temperature with Heat Sink
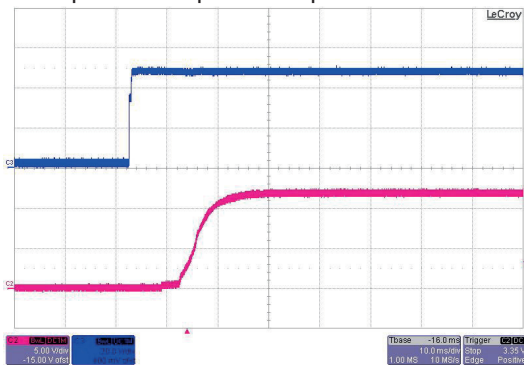
THM 60-4812WI

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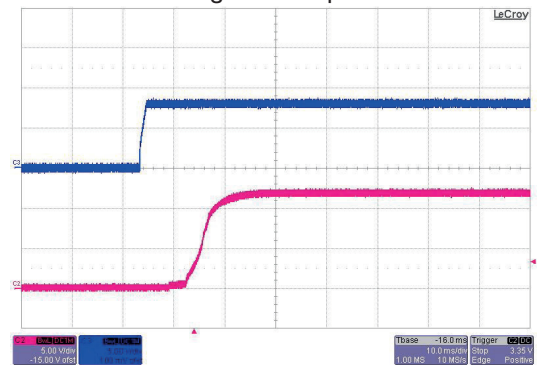(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)
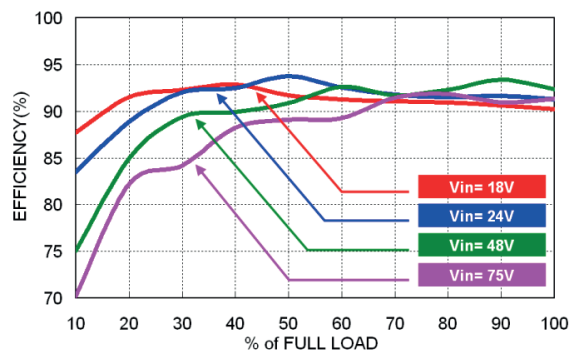

Typical Input Start-Up and Output Rise Characteristic

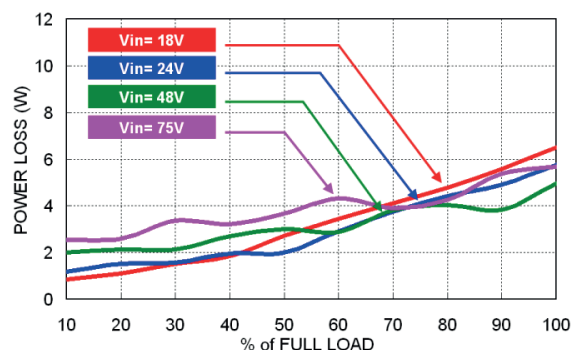
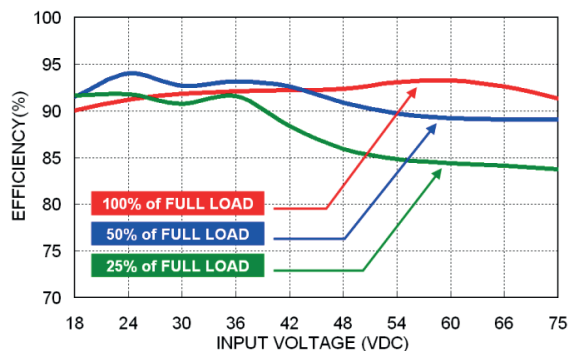Remote On/Off Voltage Start-Up Characteristic

THM 60-4813WI

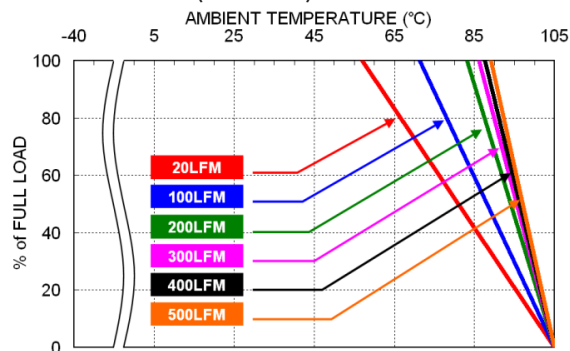### Efficiency versus Output Load
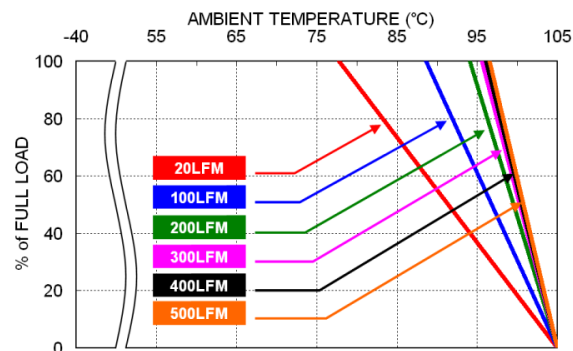

Power Dissipation versus Output Load

Efficiency versus Input Voltage

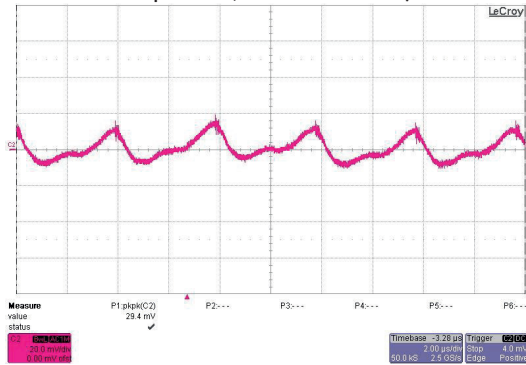### Derating Output Load versus Ambient Temperature without Heat Sink (Standard)

Derating Output Load versus Ambient Temperature with Heat Sink
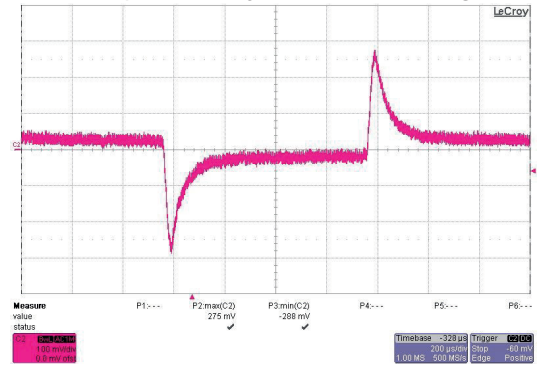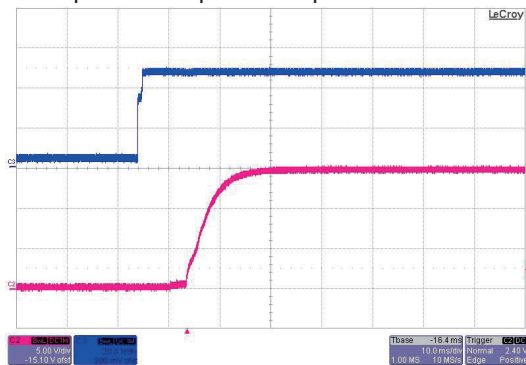
THM 60-4813WI

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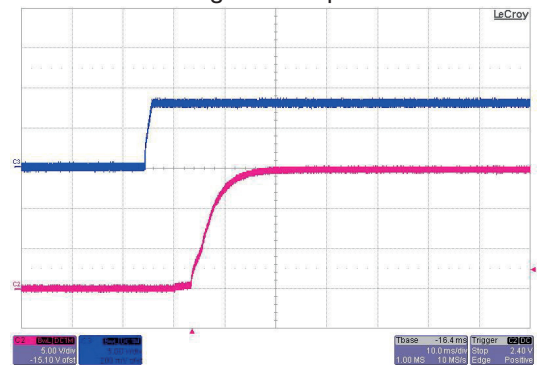(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)
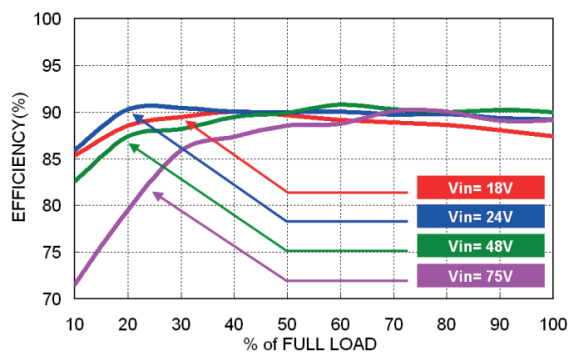

Typical Input Start-Up and Output Rise Characteristic

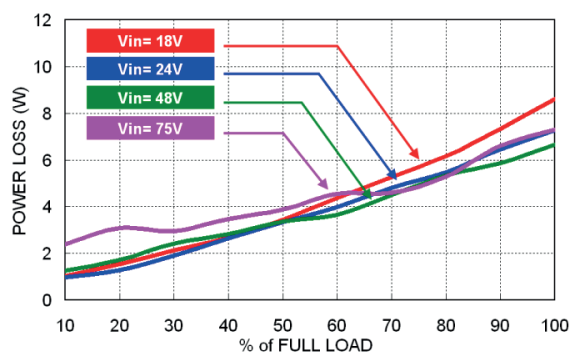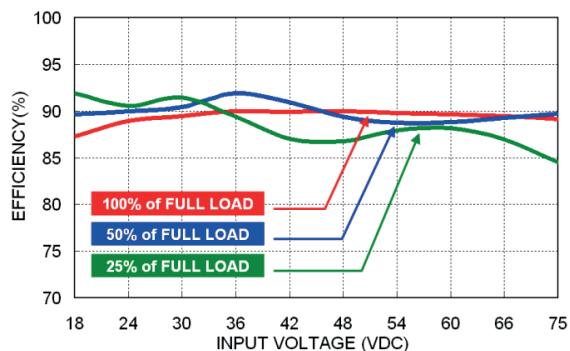Remote On/Off Voltage Start-Up Characteristic

THM 60-4815WI

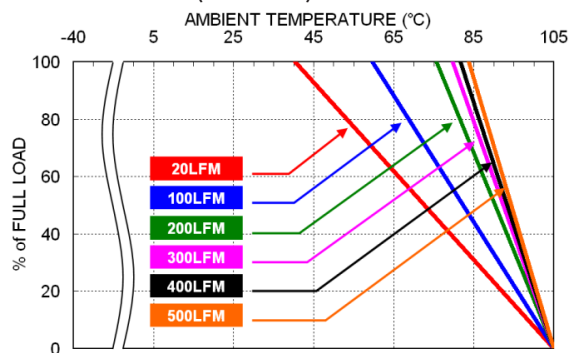### Efficiency versus Output Load
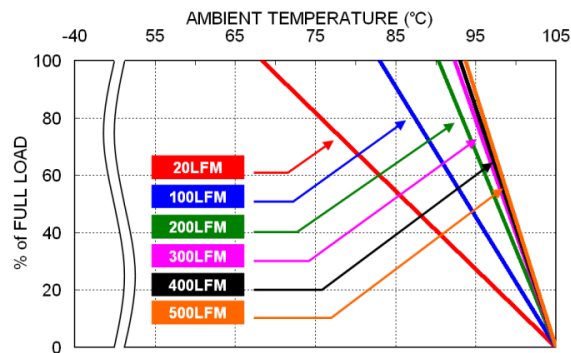

Power Dissipation versus Output Load

Efficiency versus Input Voltage

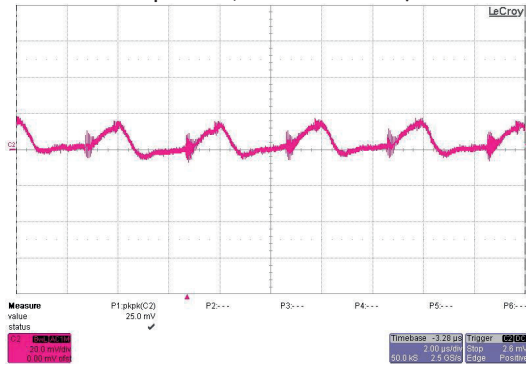### Derating Output Load versus Ambient Temperature without Heat Sink (Standard)

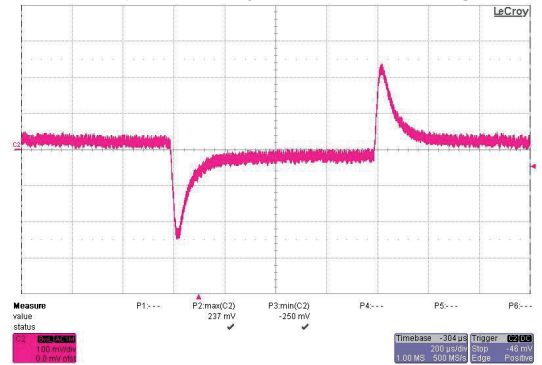### Derating Output Load versus Ambient Temperature with Heat Sink
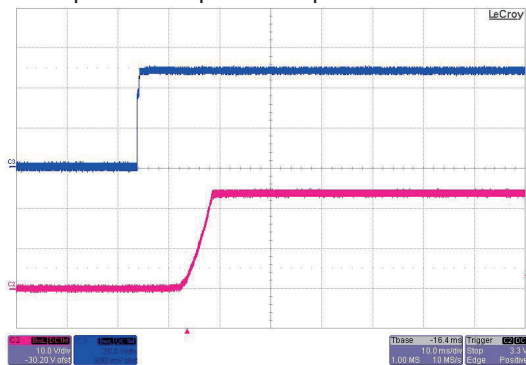
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Typical Output Ripple and Noise
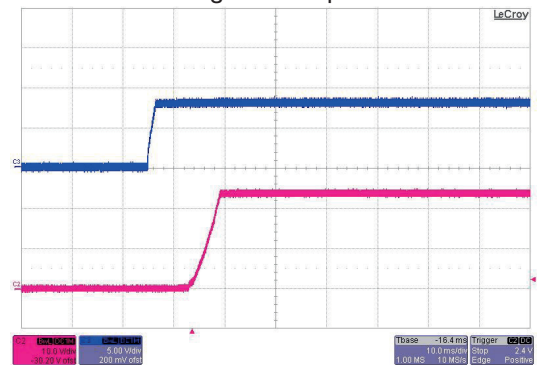(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)
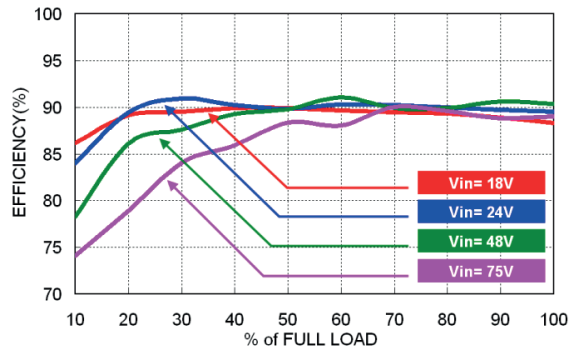

Typical Input Start-Up and Output Rise Characteristic

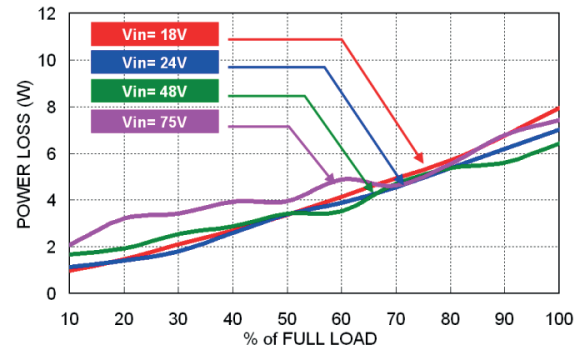Remote On/Off Voltage Start-Up Characteristic

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Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature without Heat Sink (Standard)

Derating Output Load versus Ambient Temperature with Heat Sink

THM 60-4822WI

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

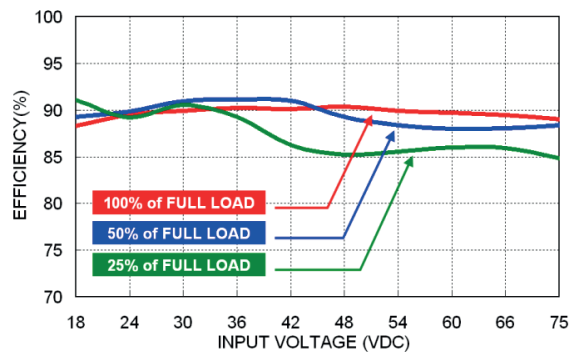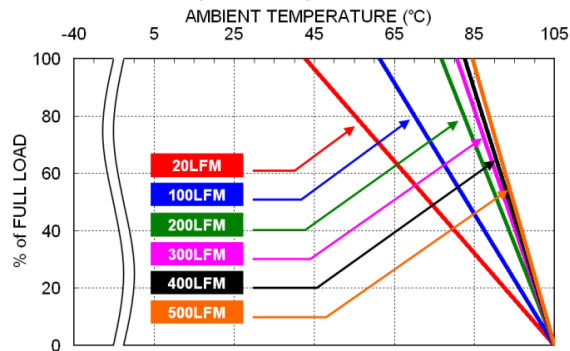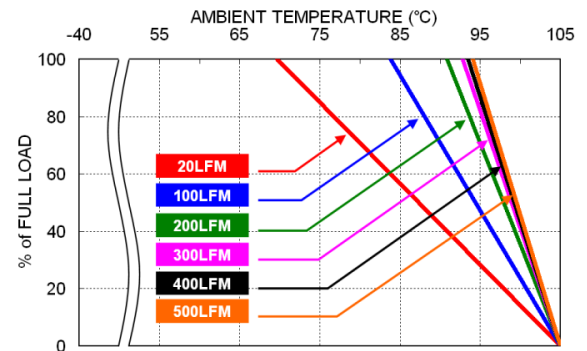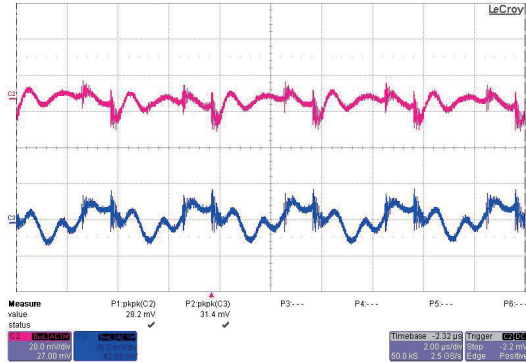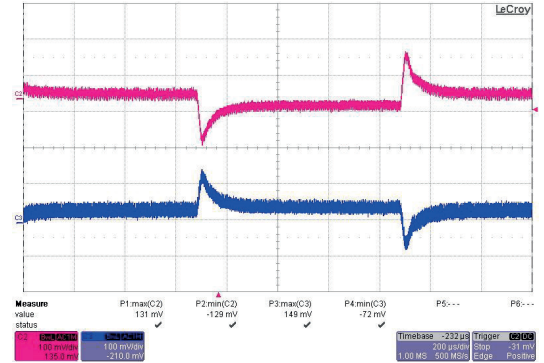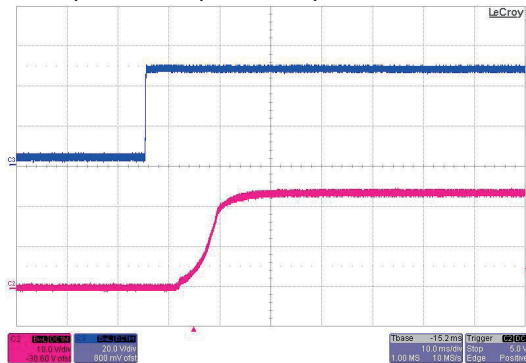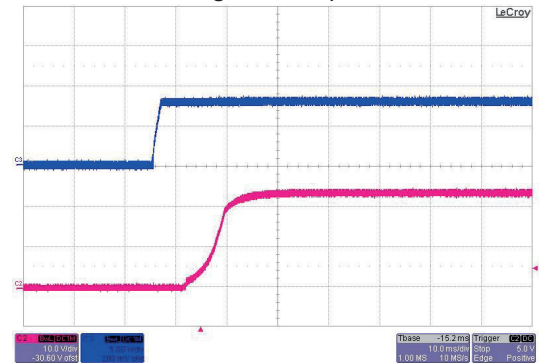Remote On/Off Voltage Start-Up Characteristic

THM 60-4823WI

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature without Heat Sink (Standard)

Derating Output Load versus Ambient Temperature with Heat Sink

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

Transient Response to Dynamic Load Change (25%)

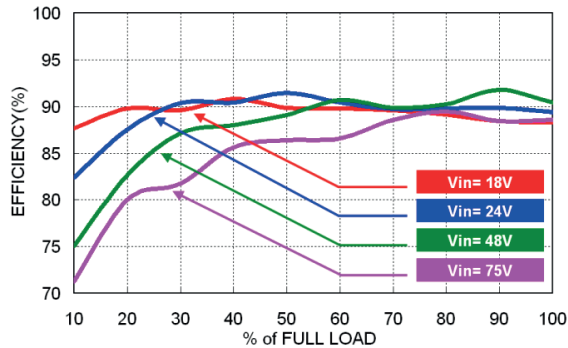Typical Input Start-Up and Output Rise Characteristic

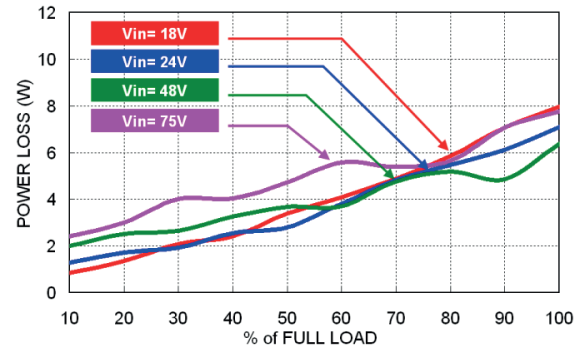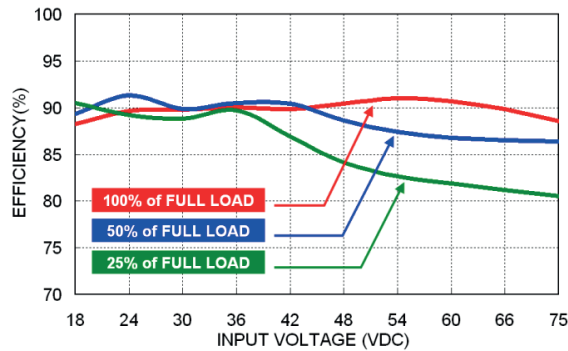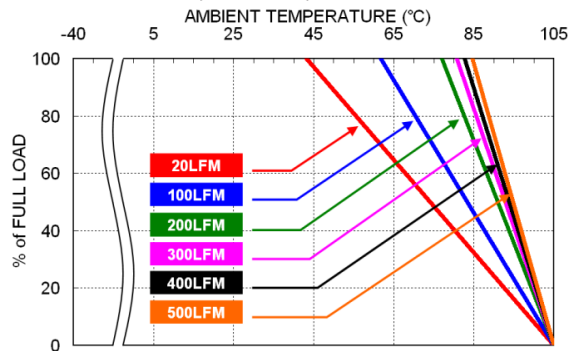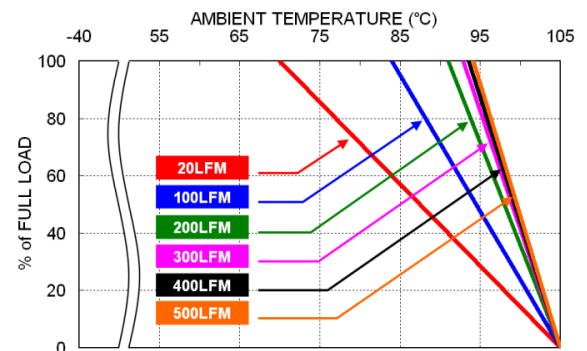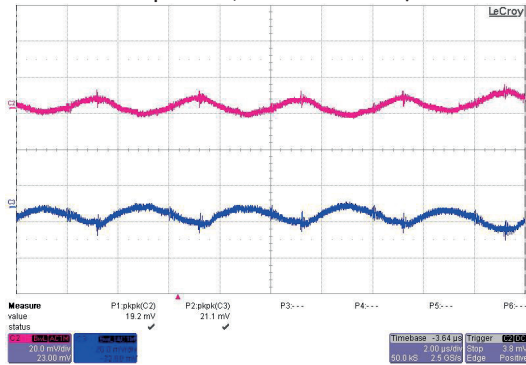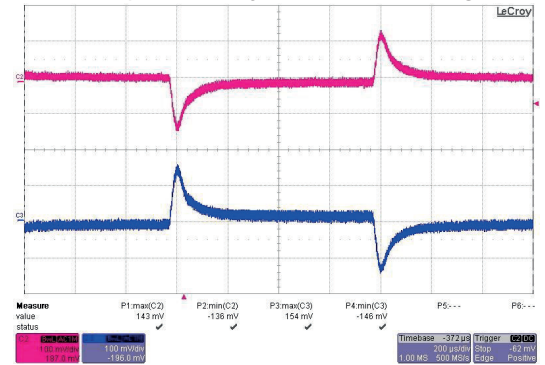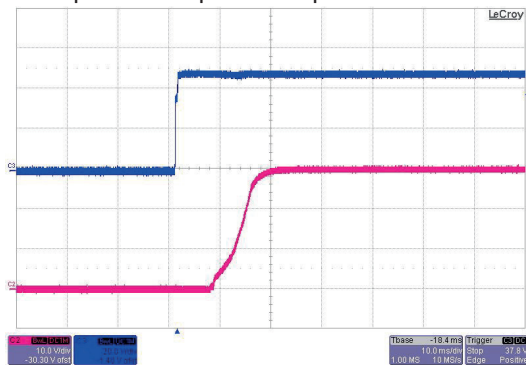Remote On/Off Voltage Start-Up Characteristic

Specifications can be changed without notice!