▌▌▌ **TRACO POWER**
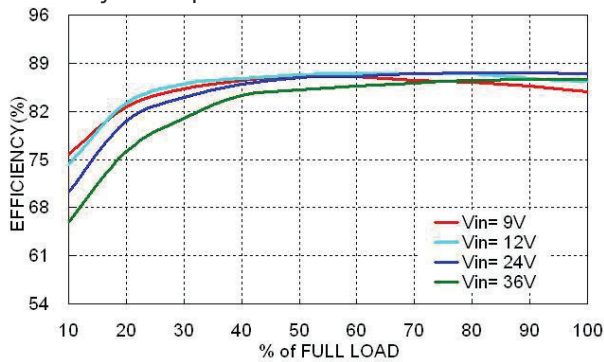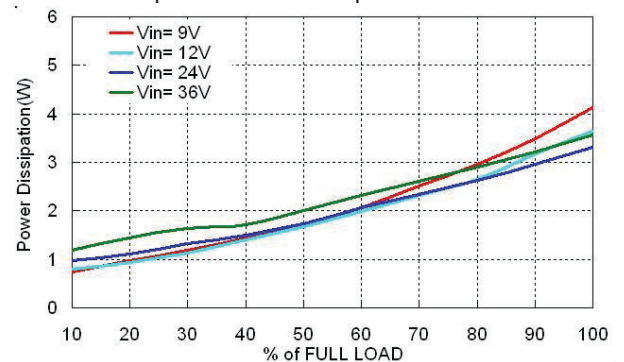
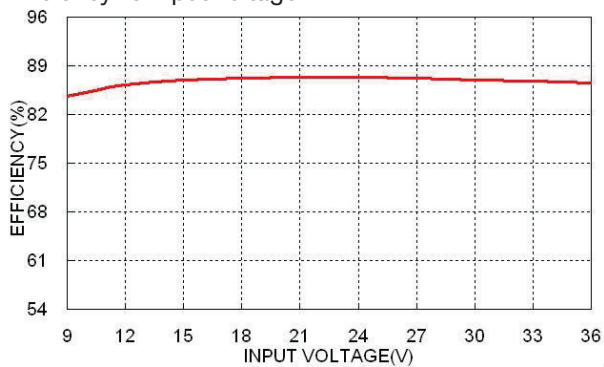## Characteristic Curves

THN 30-2410WI
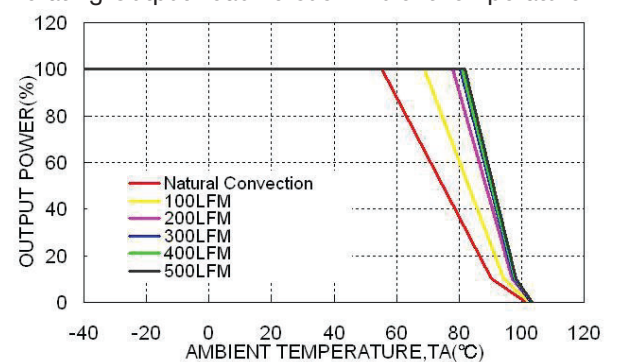
Efficiency vs Output Load
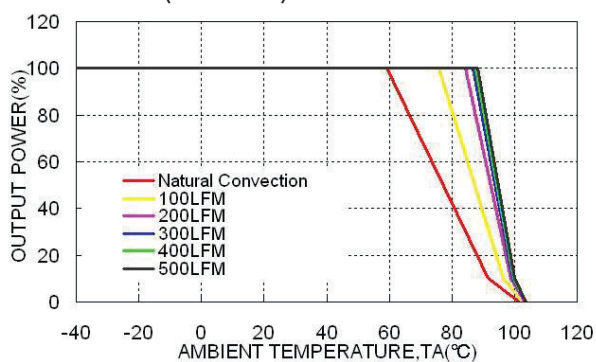

Power Dissipation versus Output Load

Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature
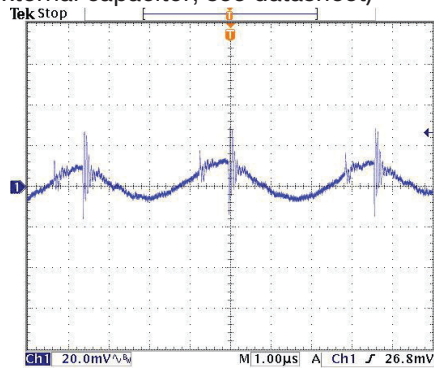

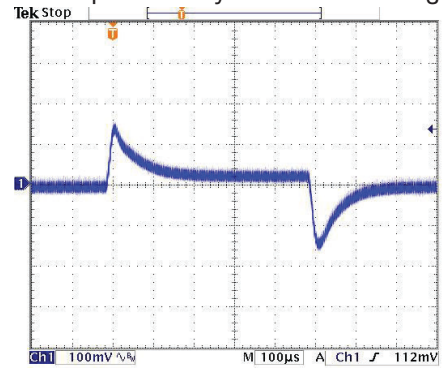Derating Output Load versus Ambient Temperature with Heatsink (THN-HS1)

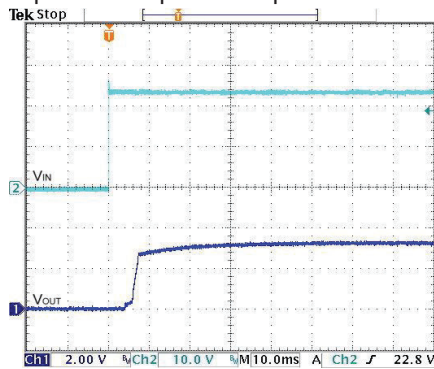**III TRACO POWER**

THN 30-2410WI

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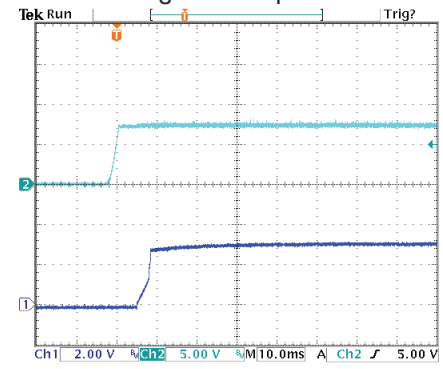(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

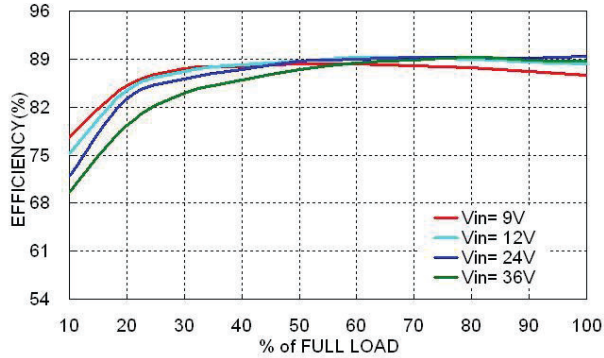Typical Input Start-Up and Output Rise Characteristic

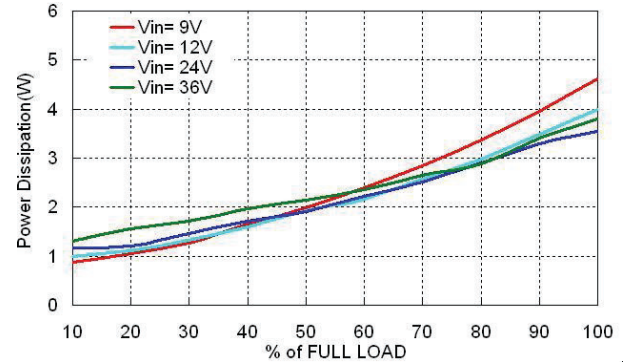Remote on/off Voltage Start-Up Characteristic
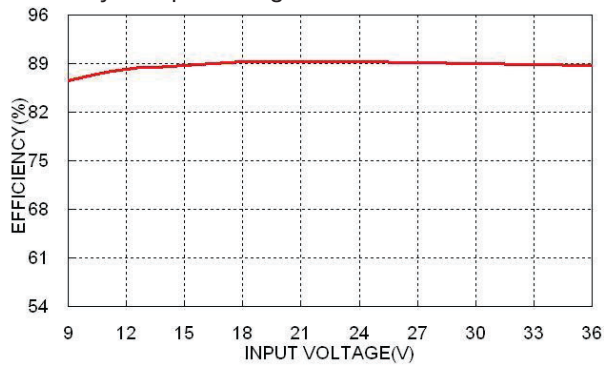
THN 30-2411WI
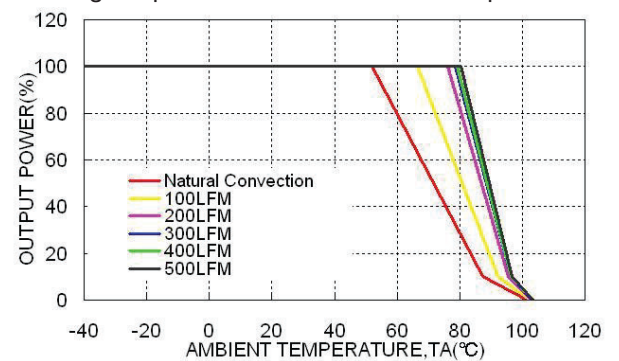## THN 30-2411WI-A1

Efficiency vs Output Load
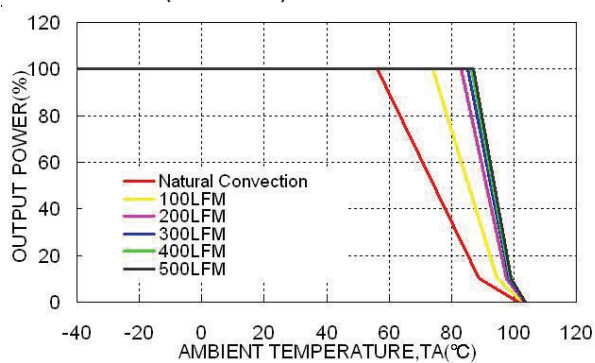

Power Dissipation versus Output Load

Efficiency vs Input Voltage
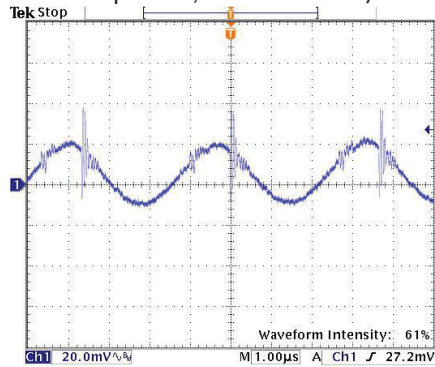

Derating Output Load versus Ambient Temperature

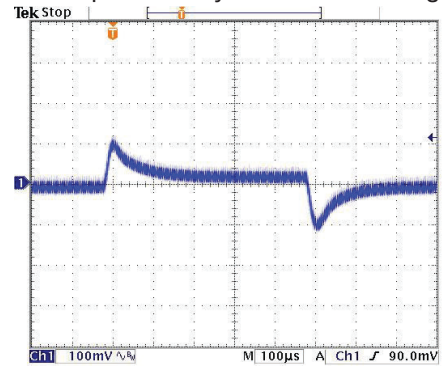Derating Output Load versus Ambient Temperature with Heatsink (THN-HS1)

TRACO POWER

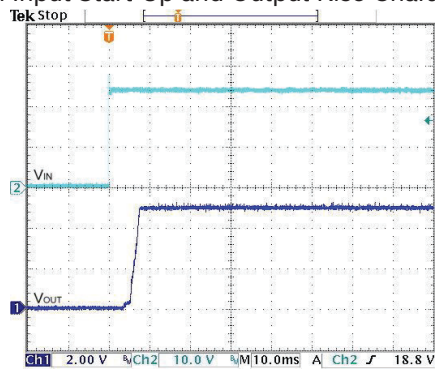**THN 30-2411WI**
THN 30-2411WI-A1

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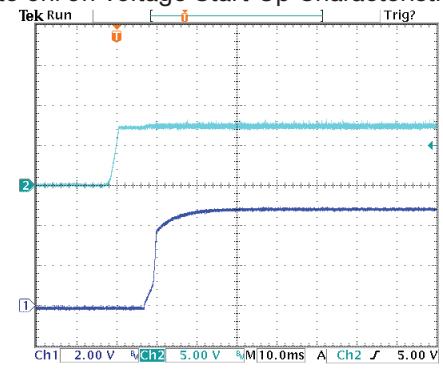(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

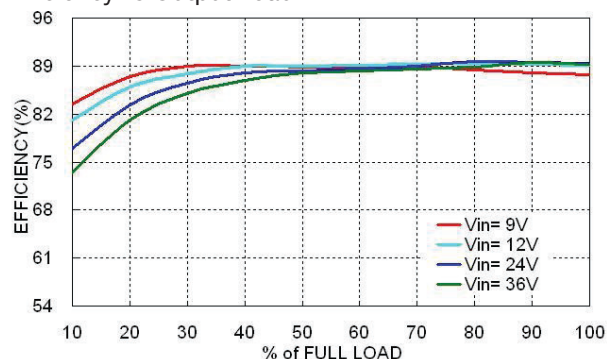Typical Input Start-Up and Output Rise Characteristic

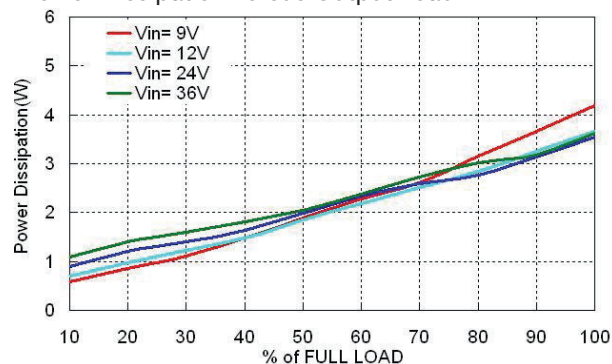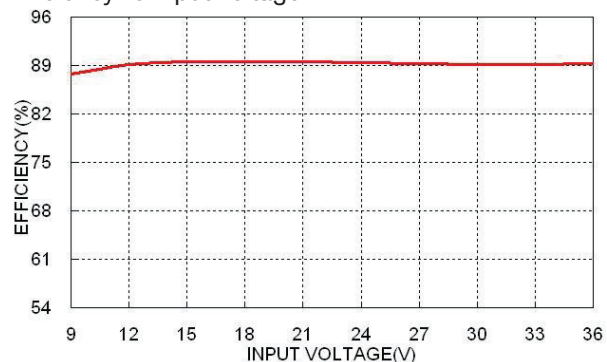Remote on/off Voltage Start-Up Characteristic
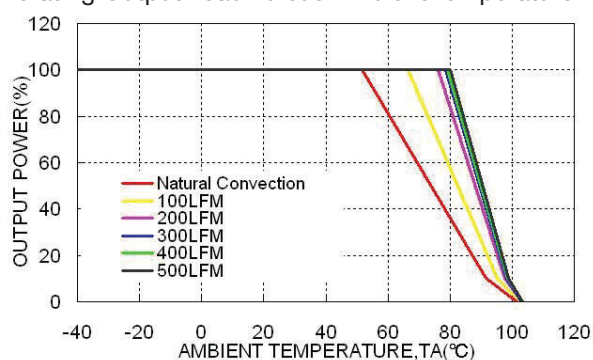
THN 30-2412WI

Efficiency vs Output Load

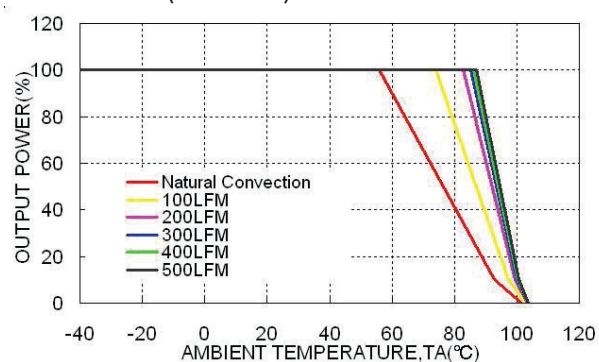### Power Dissipation versus Output Load

Efficiency vs Input Voltage

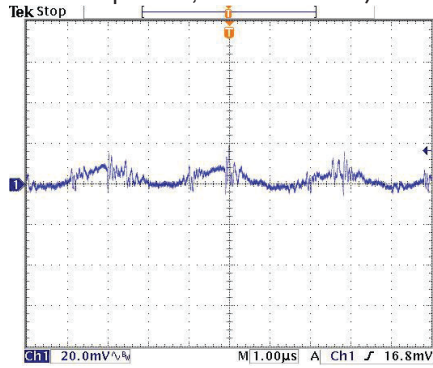### Derating Output Load versus Ambient Temperature

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

II TRACO POWER

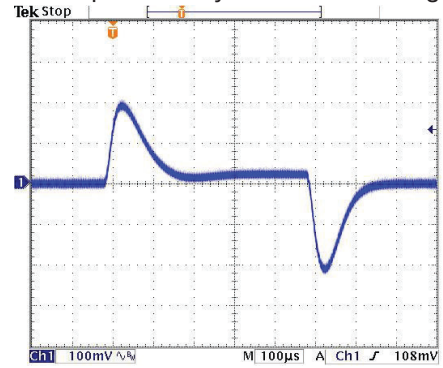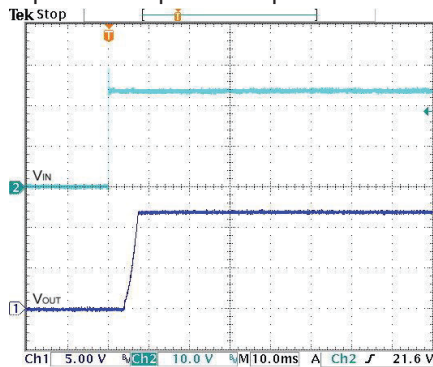## THN 30-2412WI

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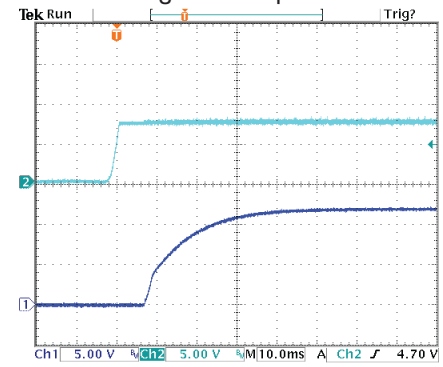(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

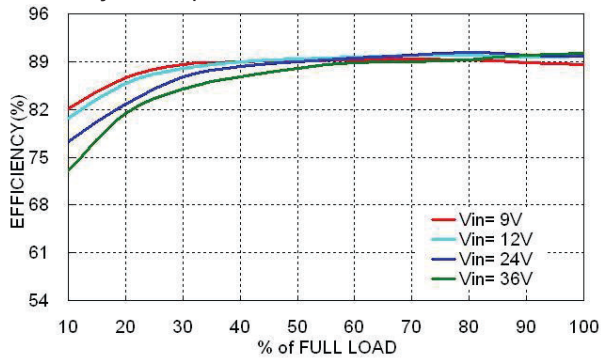Typical Input Start-Up and Output Rise Characteristic

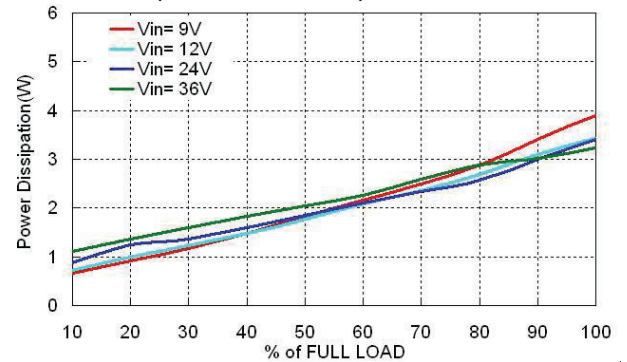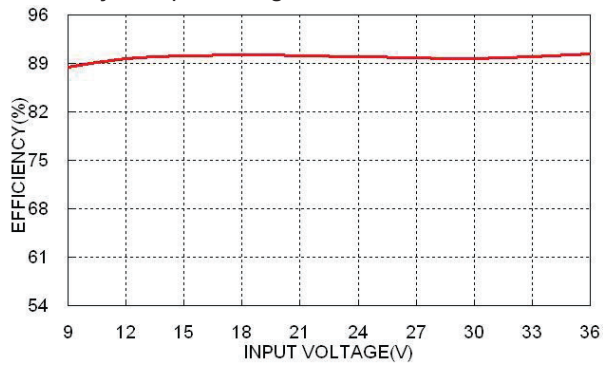Remote on/off Voltage Start-Up Characteristic
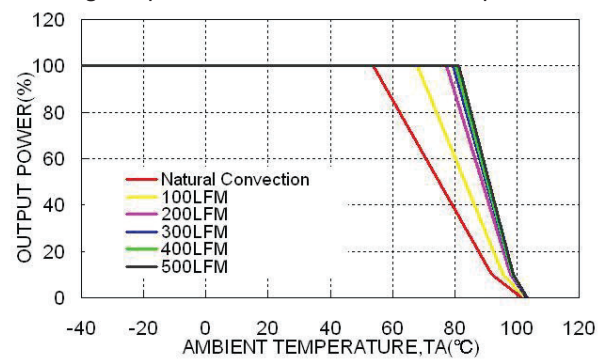
THN 30-2413WI

Efficiency vs Output Load

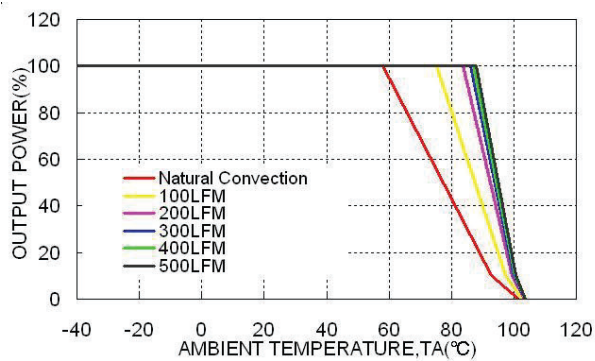### Power Dissipation versus Output Load

Efficiency vs Input Voltage

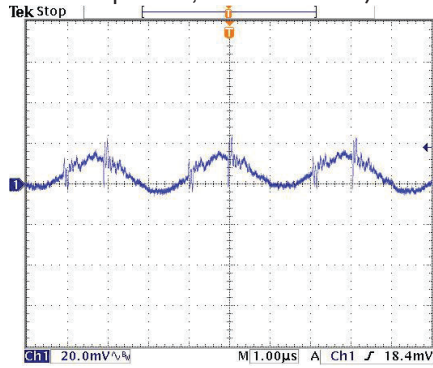### Derating Output Load versus Ambient Temperature

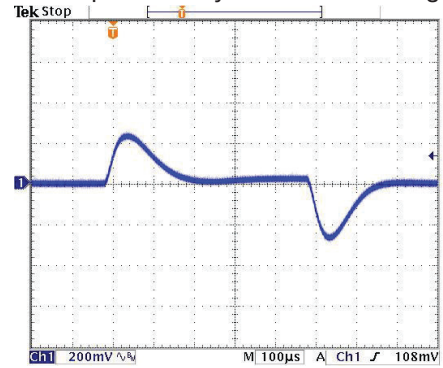### Derating Output Load versus Ambient Temperature with Heatsink (THN-HS1)
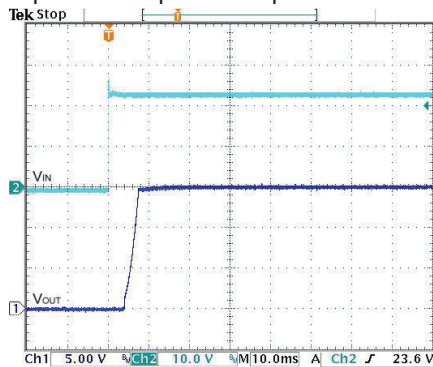
THN 30-2413WI

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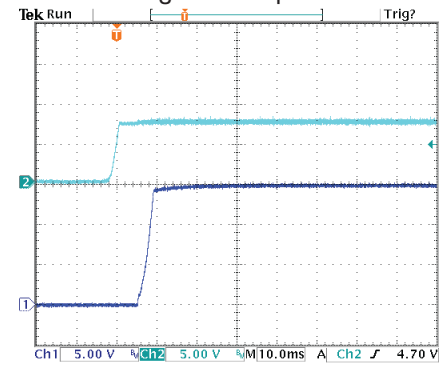(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

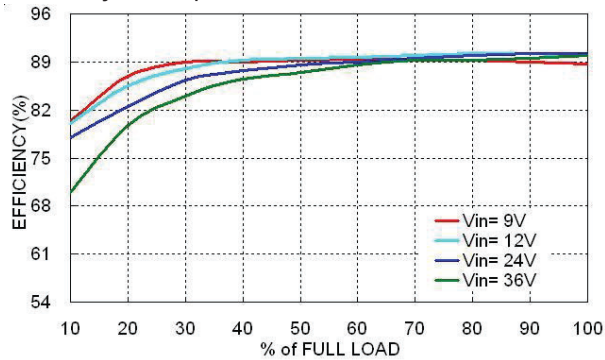Typical Input Start-Up and Output Rise Characteristic

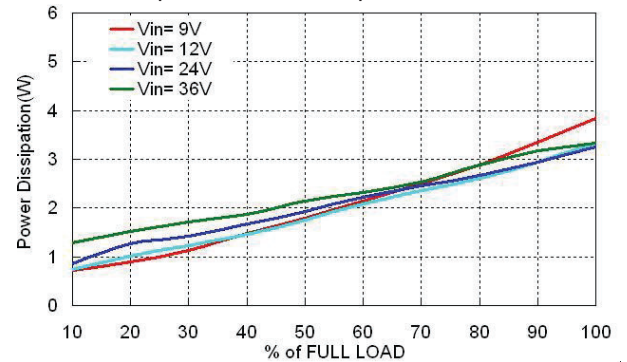Remote on/off Voltage Start-Up Characteristic

THN 30-2415WI

Efficiency vs Output Load

Power Dissipation versus Output Load

Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature

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

THN 30-2415WI

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

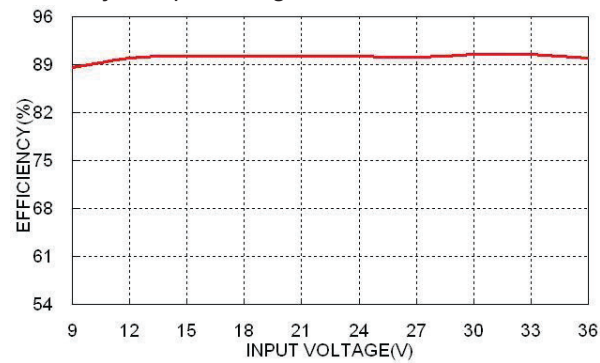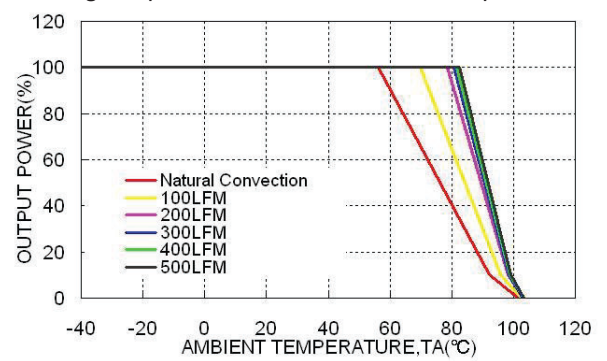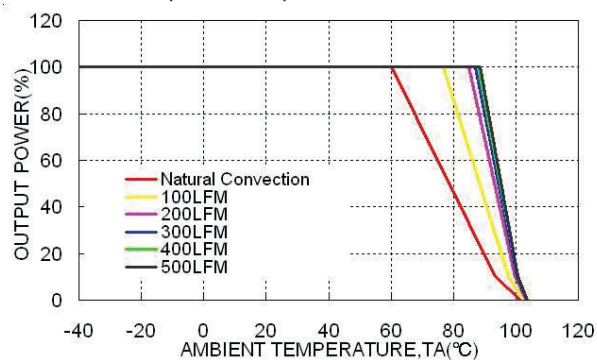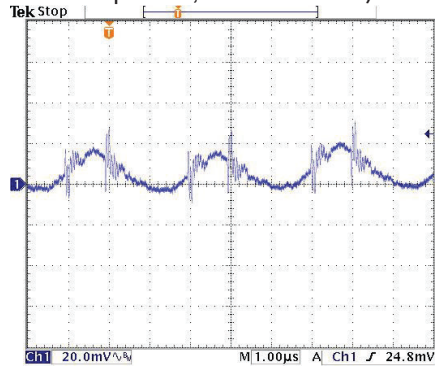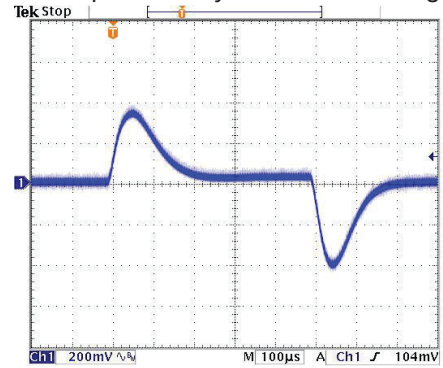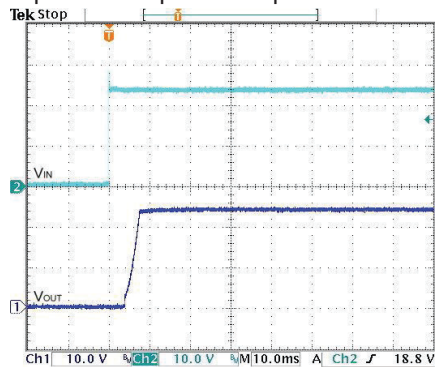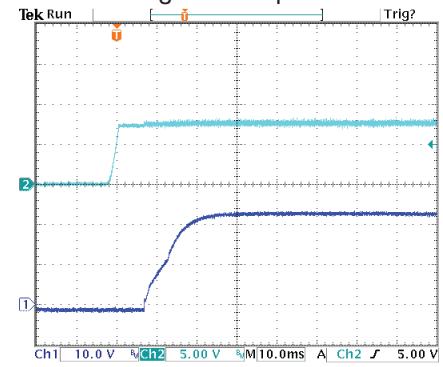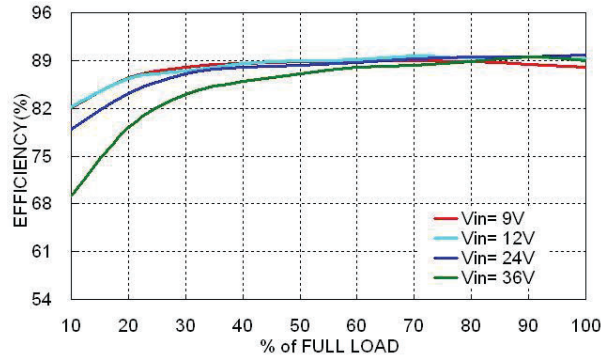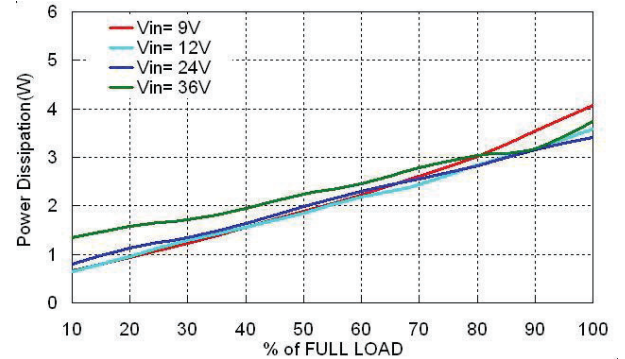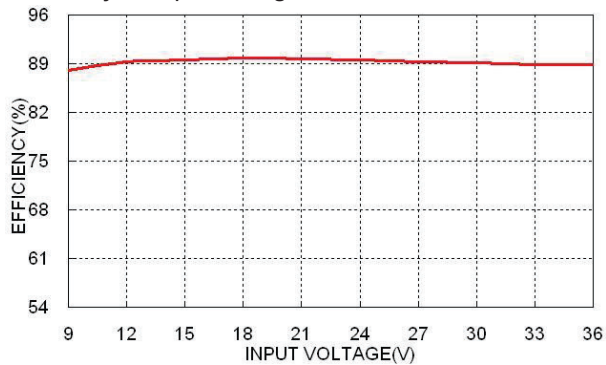Remote on/off Voltage Start-Up Characteristic
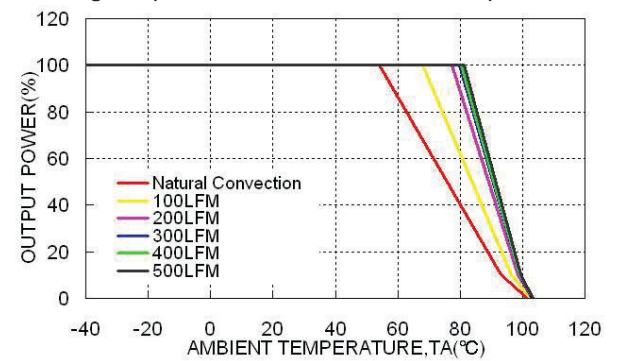
THN 30-2422WI

Efficiency vs Output Load

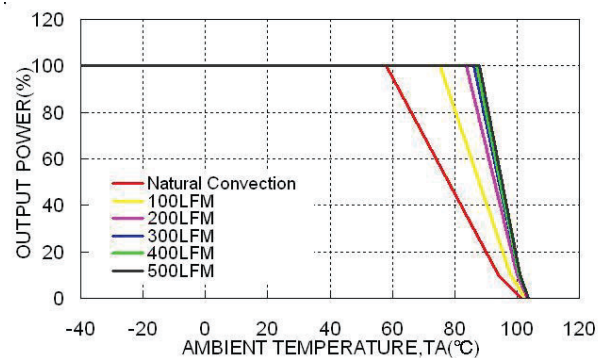### Power Dissipation versus Output Load

Efficiency vs Input Voltage

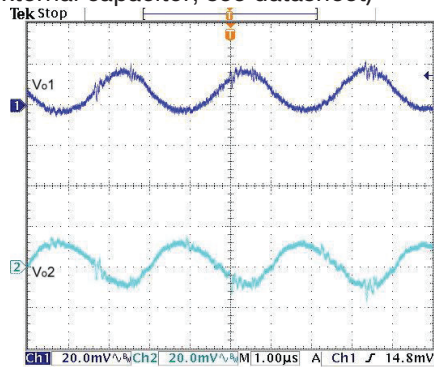### Derating Output Load versus Ambient Temperature

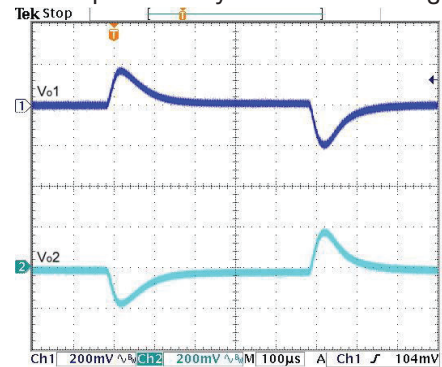### Derating Output Load versus Ambient Temperature with Heatsink (THN-HS1)
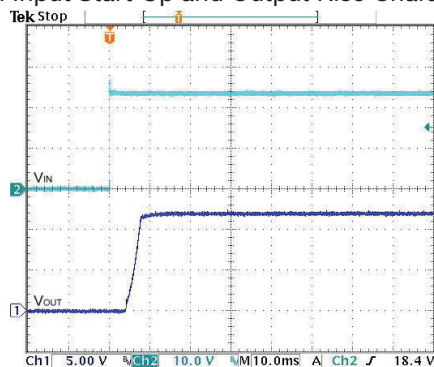
THN 30-2422WI

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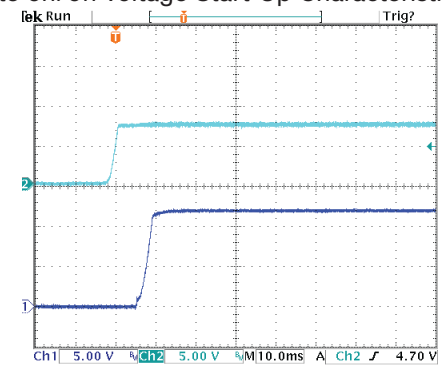(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

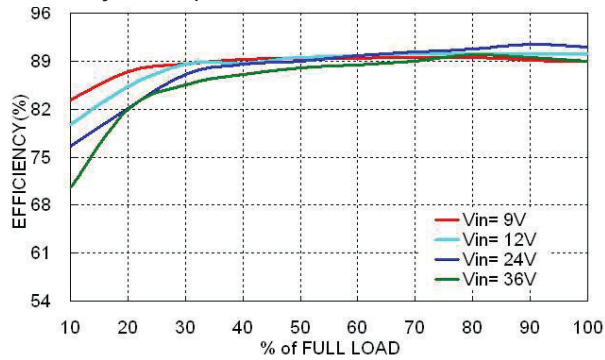Typical Input Start-Up and Output Rise Characteristic

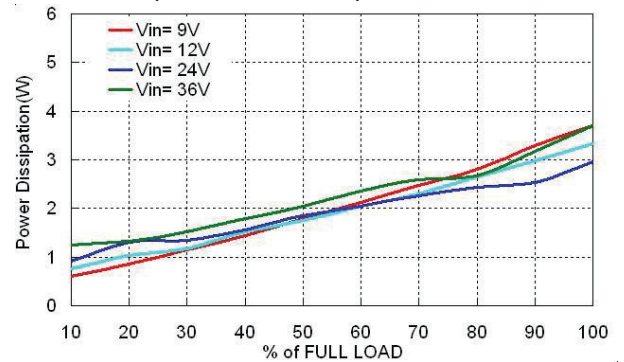Remote on/off Voltage Start-Up Characteristic

TRACO POWER

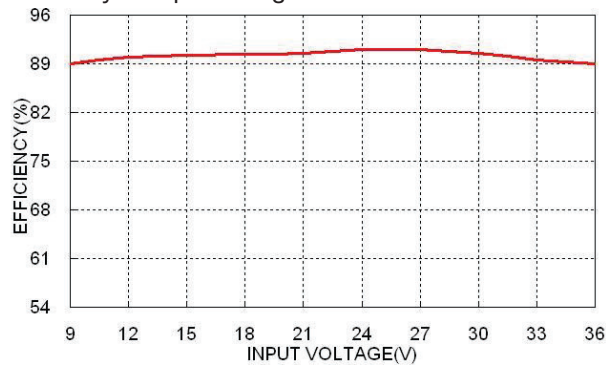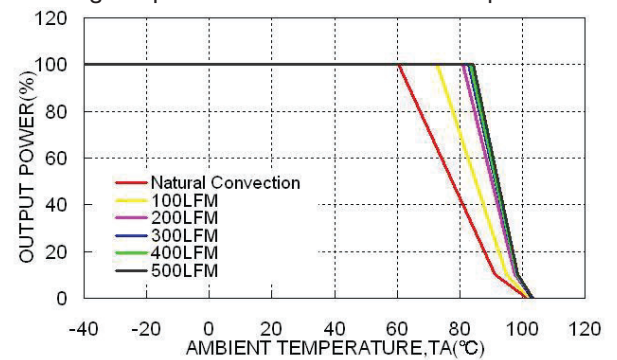## THN 30-2423WI

Efficiency vs Output Load

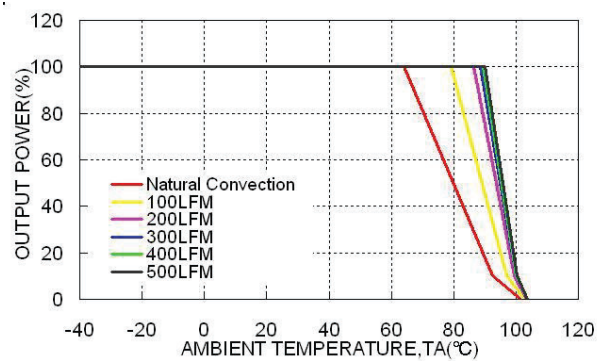### Power Dissipation versus Output Load

Efficiency vs Input Voltage

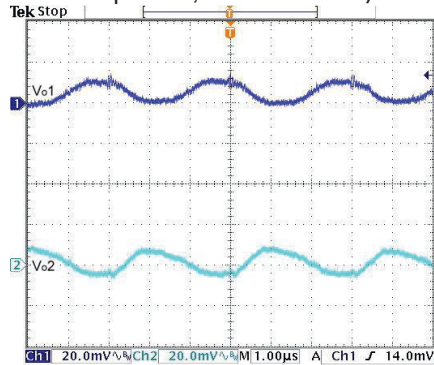### Derating Output Load versus Ambient Temperature

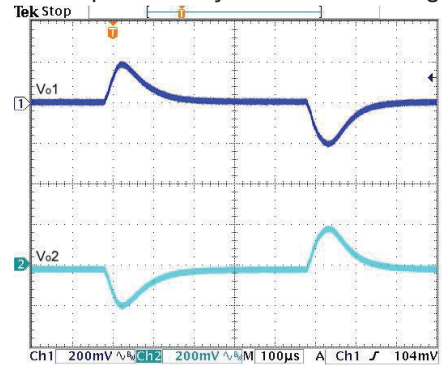### Derating Output Load versus Ambient Temperature with Heatsink (THN-HS1)
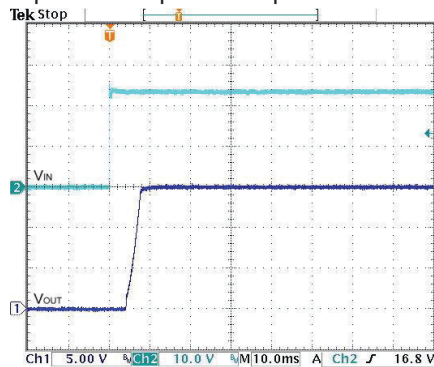
THN 30-2423WI

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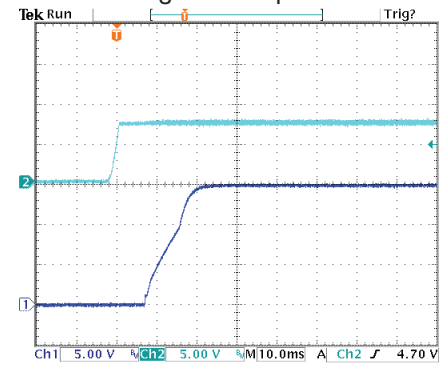(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

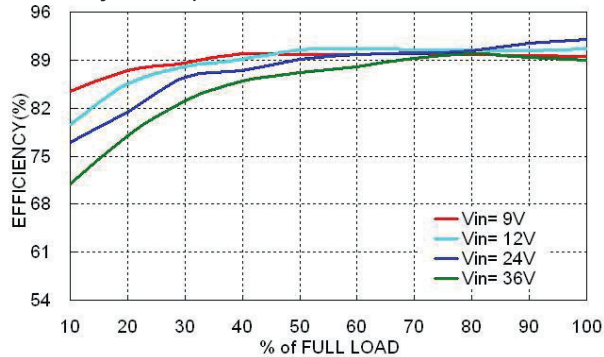Typical Input Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic

III TRACO POWER

THN 30-2425WI

Efficiency vs Output Load

Power Dissipation versus Output Load

Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature

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

THN 30-2425WI

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
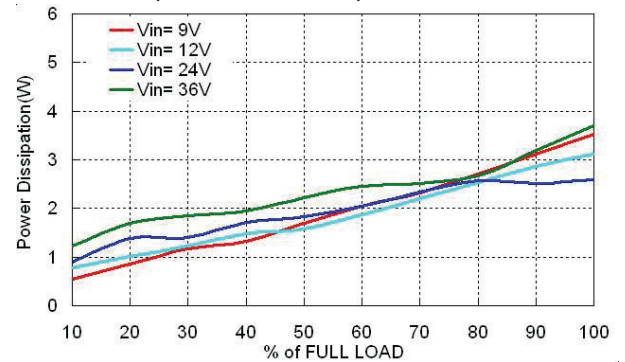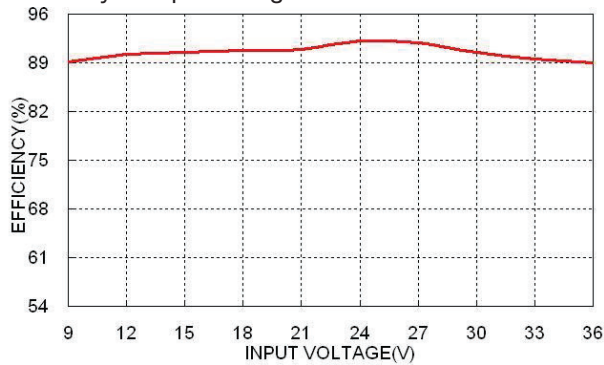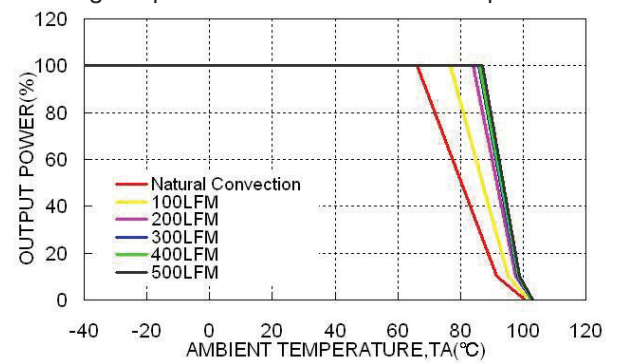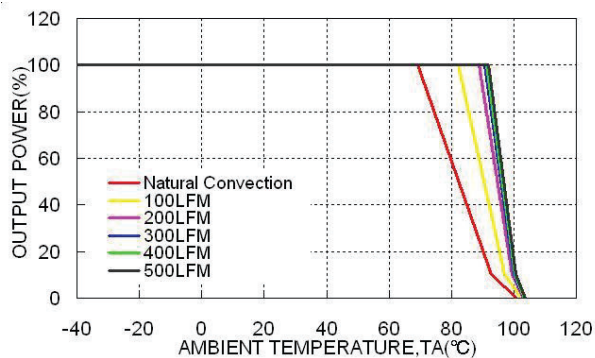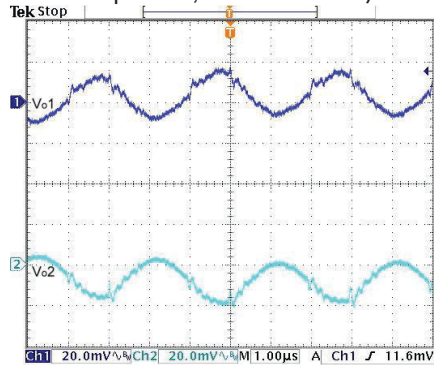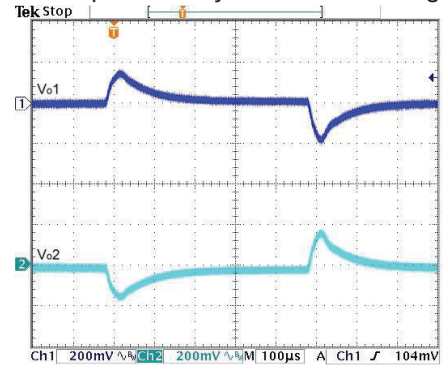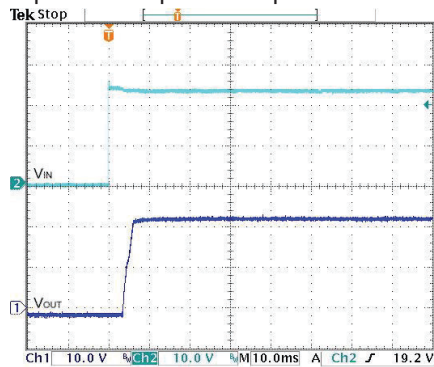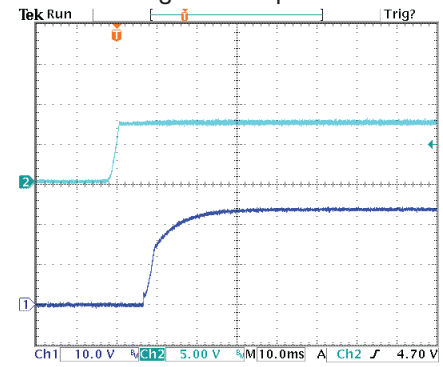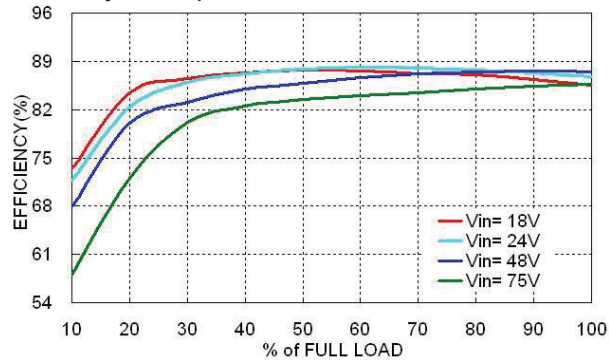

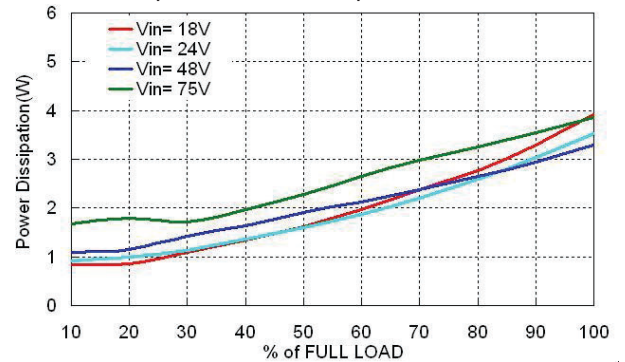Remote on/off Voltage Start-Up Characteristic

III TRACO POWER

THN 30-4810WI

Efficiency vs Output Load

Power Dissipation versus Output Load

Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature

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

III TRACO POWER

THN 30-4810WI

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
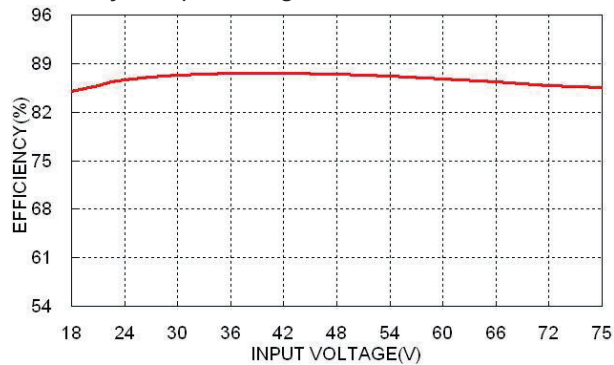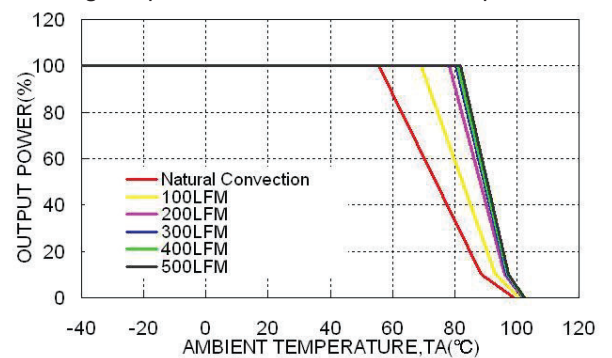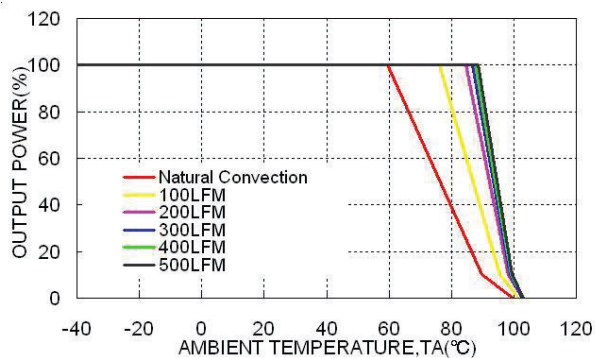
THN 30-4811WI
THN 30-4811WI-A1

Efficiency vs Output Load

Power Dissipation versus Output Load

Efficiency vs Input Voltage
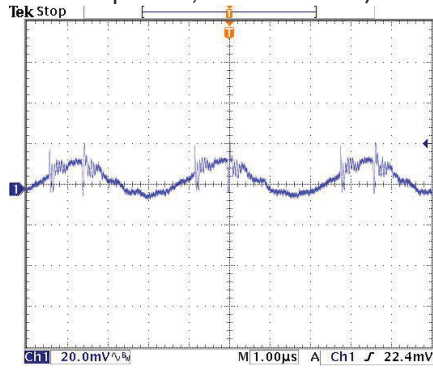

Derating Output Load versus Ambient Temperature

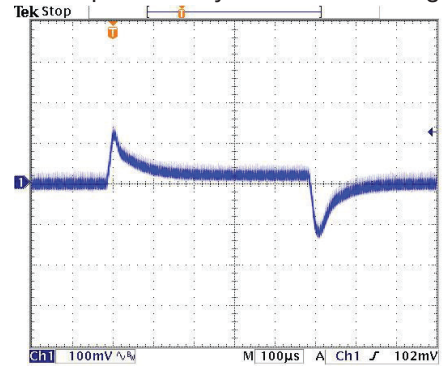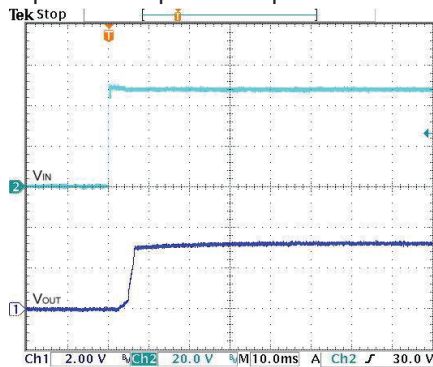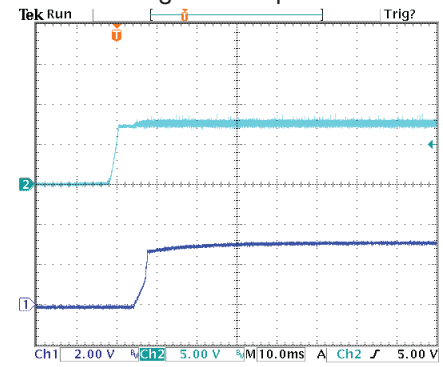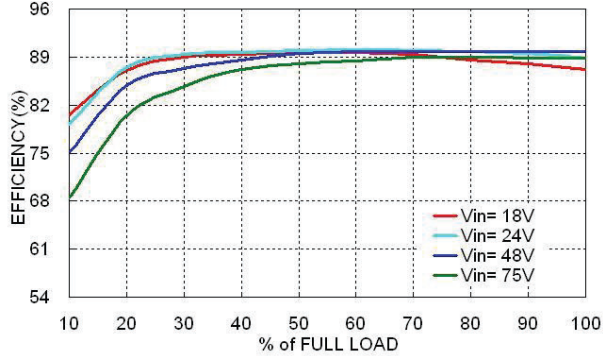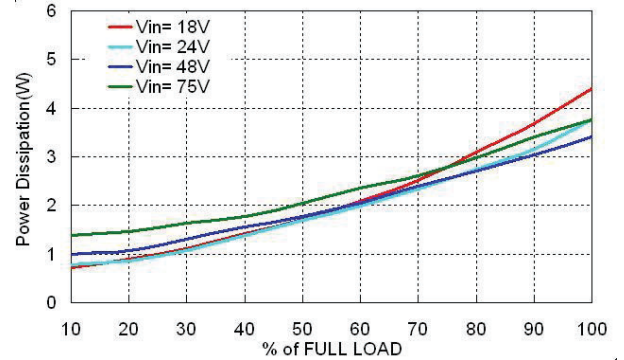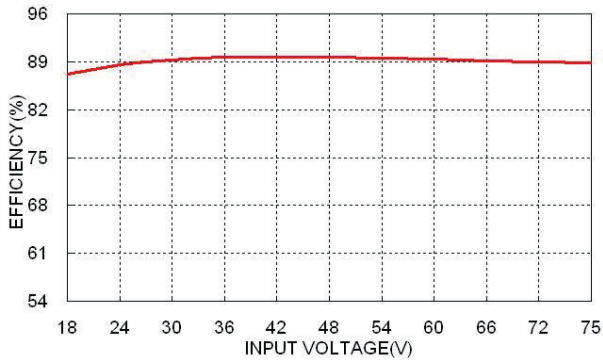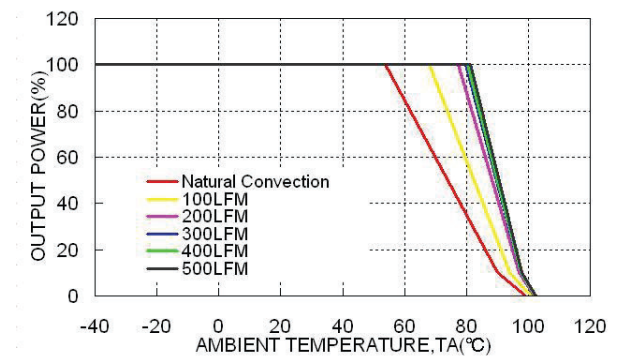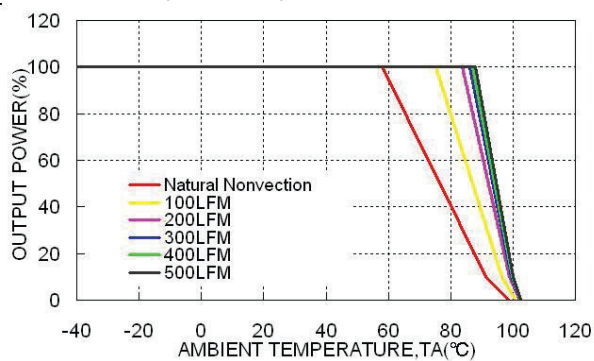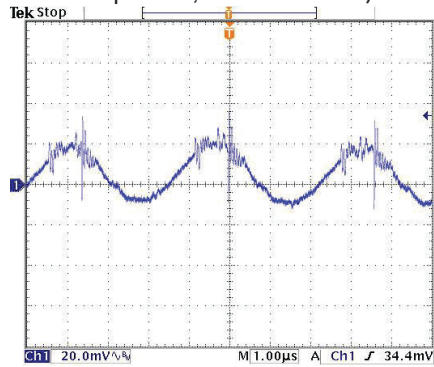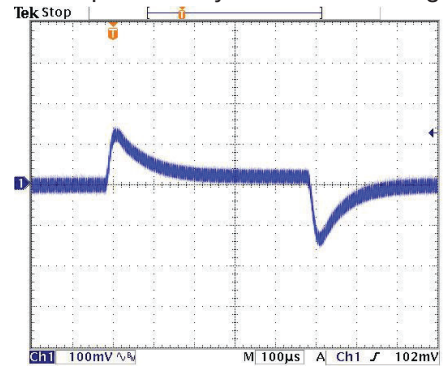Derating Output Load versus Ambient Temperature with Heatsink (THN-HS1)
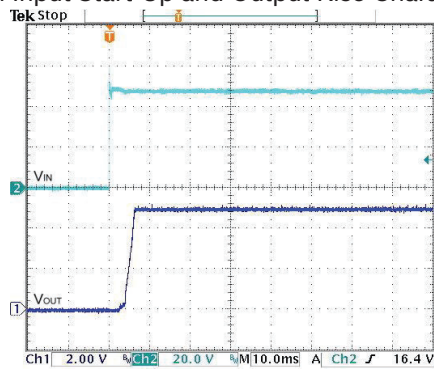
THN 30-4811WI
THN 30-4811WI-A1

Typical Output Ripple and Noise
(with external capacitor; see datasheet)
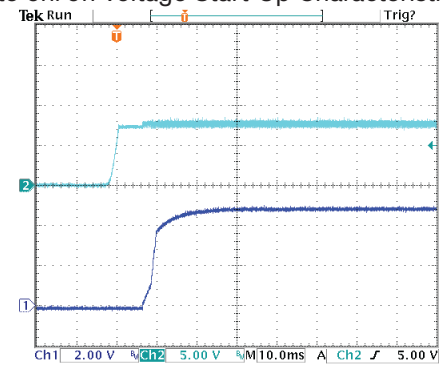
Transient Response to Dynamic Load Change (25%)

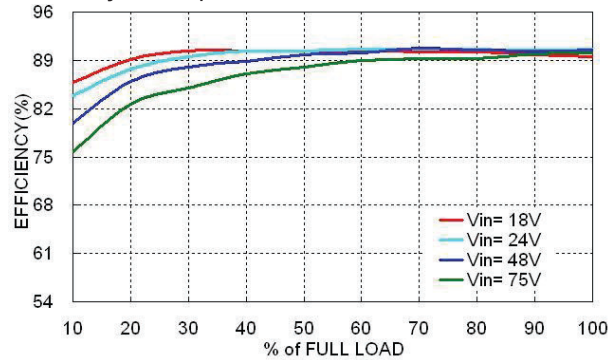Typical Input Start-Up and Output Rise Characteristic

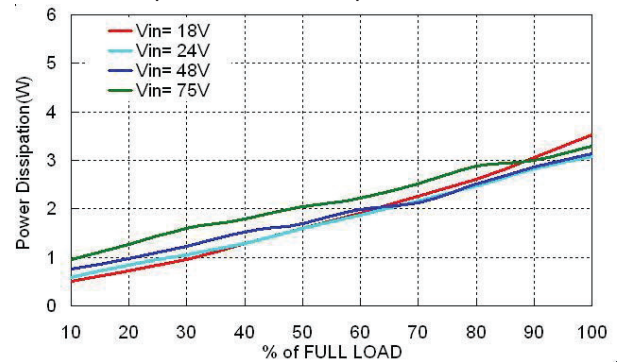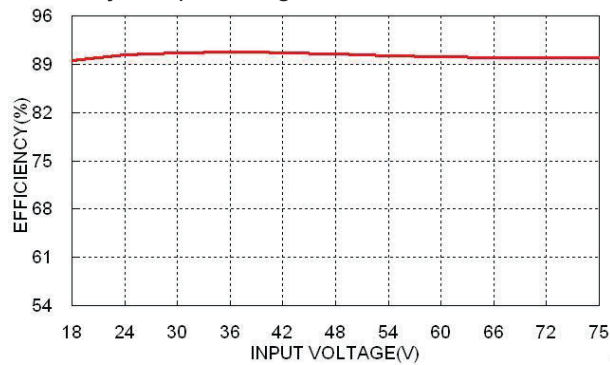Remote on/off Voltage Start-Up Characteristic
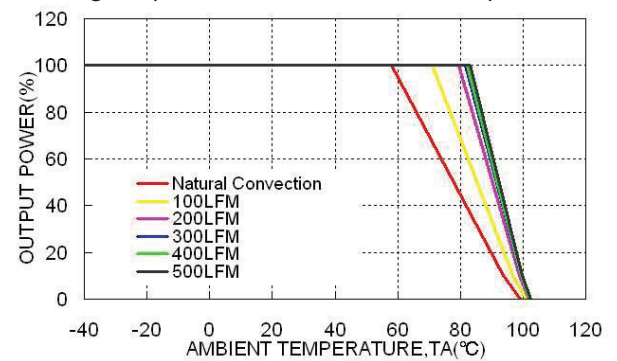
THN 30-4812WI

Efficiency vs Output Load

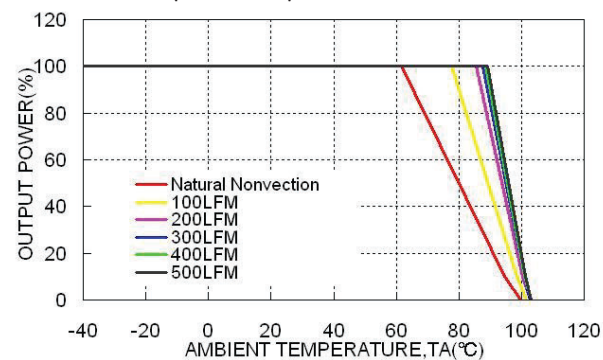### Power Dissipation versus Output Load

Efficiency vs Input Voltage

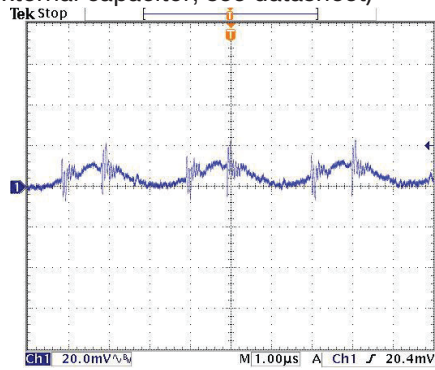### Derating Output Load versus Ambient Temperature

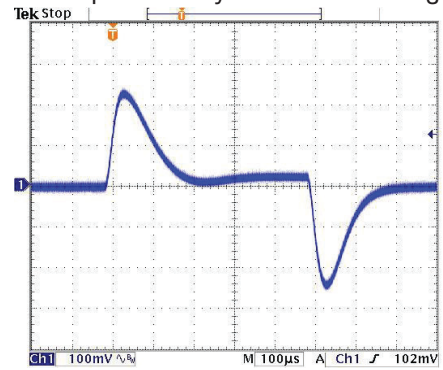### Derating Output Load versus Ambient Temperature with Heatsink (THN-HS1)
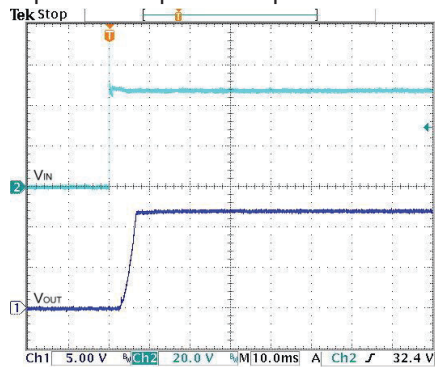
THN 30-4812WI

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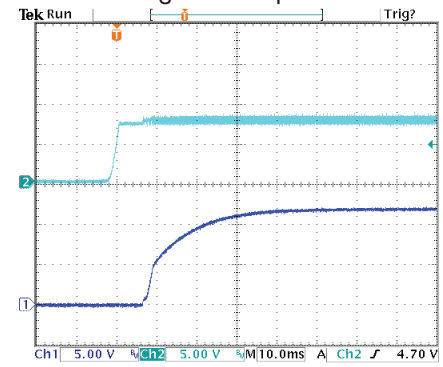(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

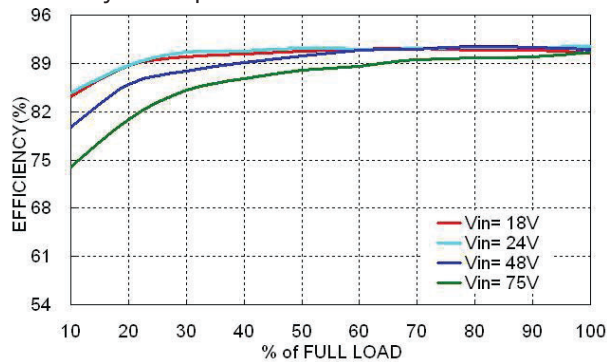Typical Input Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic

▌▌ **TRACO POWER**

THN 30-4813WI

Efficiency vs Output Load

Power Dissipation versus Output Load

Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature

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

THN 30-4813WI

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
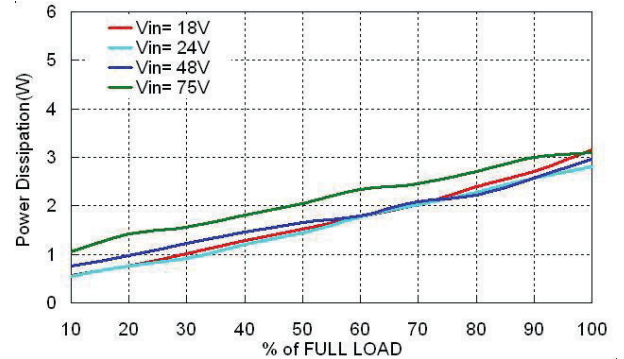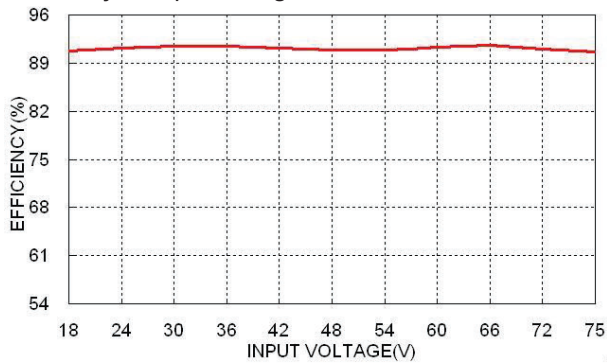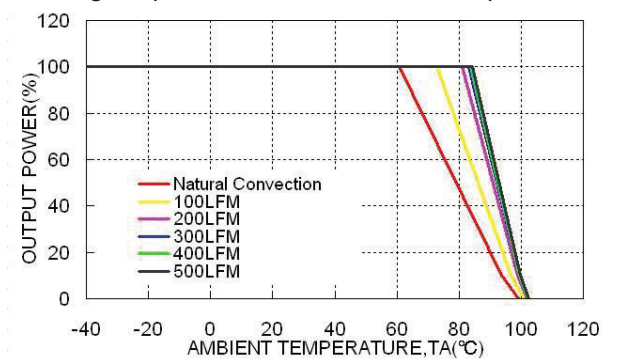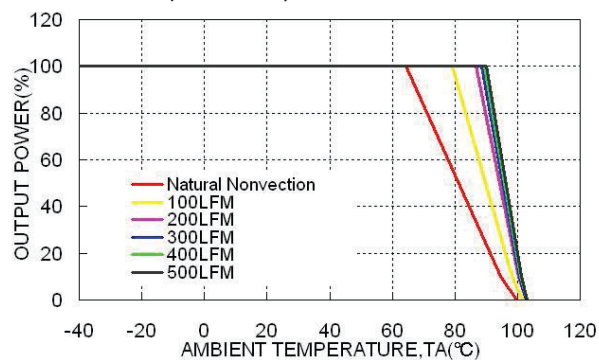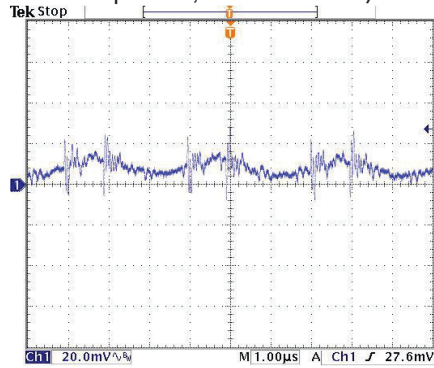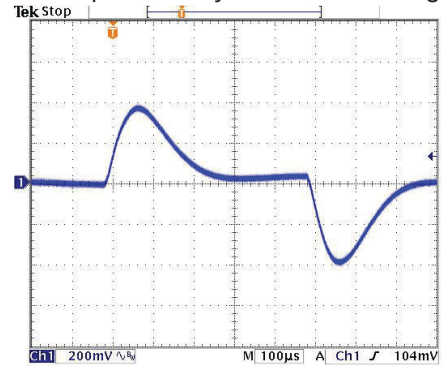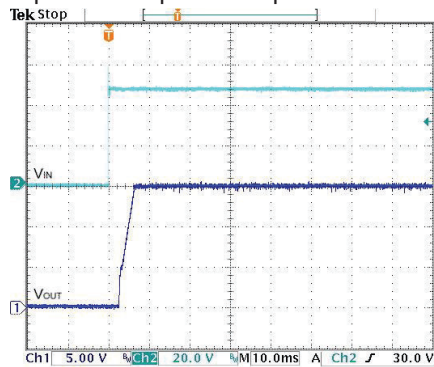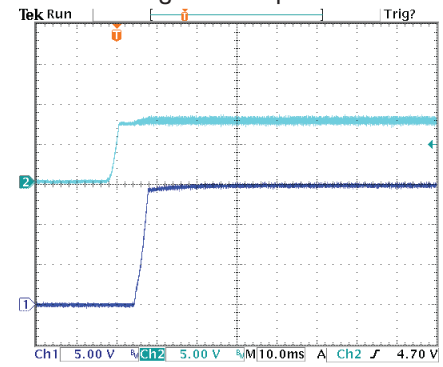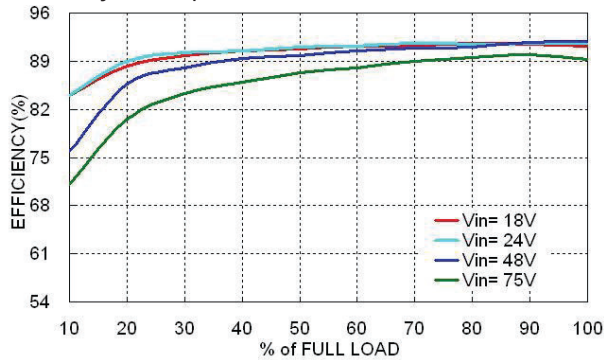
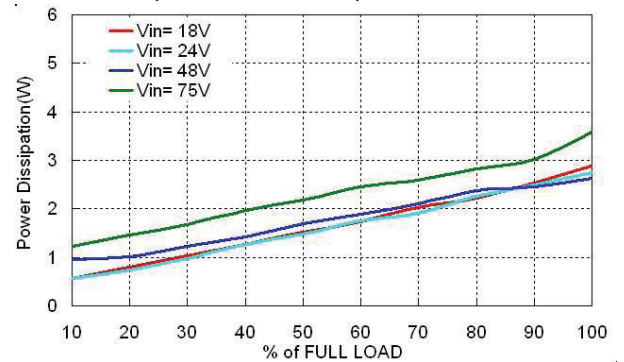Remote on/off Voltage Start-Up Characteristic

![TRACO POWER]
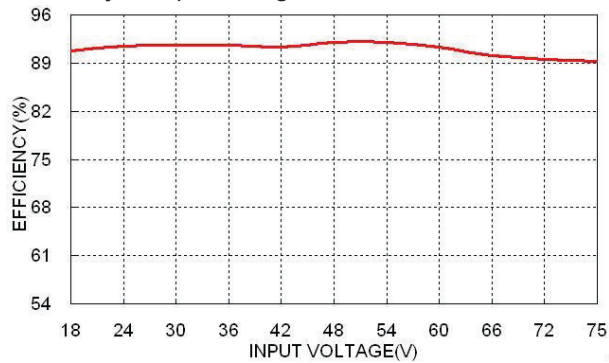
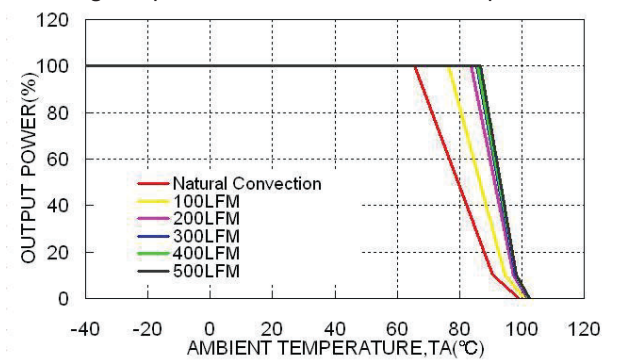## THN 30-4815WI

Efficiency vs Output Load

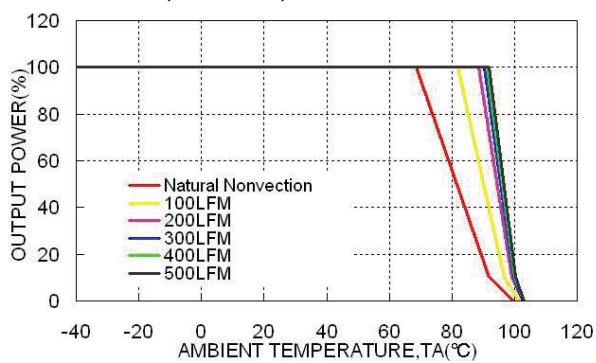### Power Dissipation versus Output Load

Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature

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

TRACO POWER

THN 30-4815WI

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

THN 30-4822WI

Efficiency vs Output Load

Power Dissipation versus Output Load

Efficiency vs Input Voltage

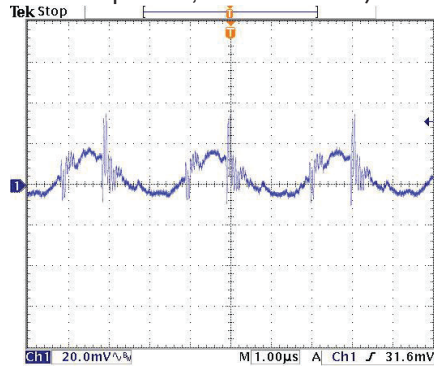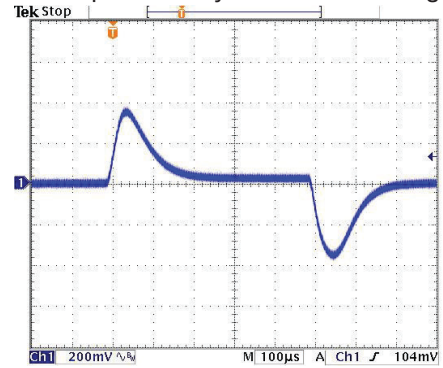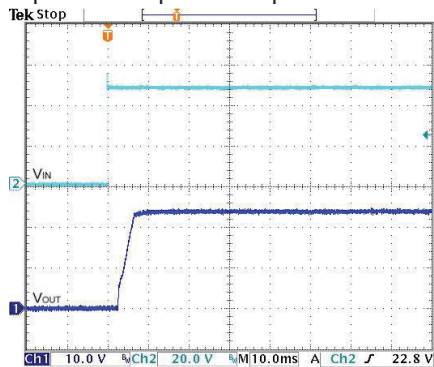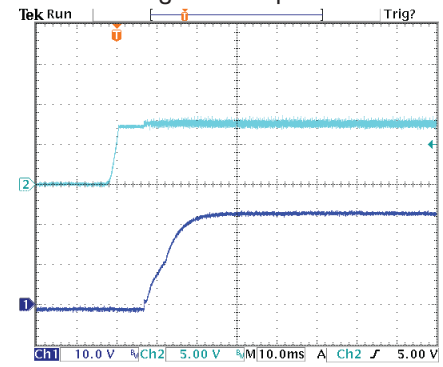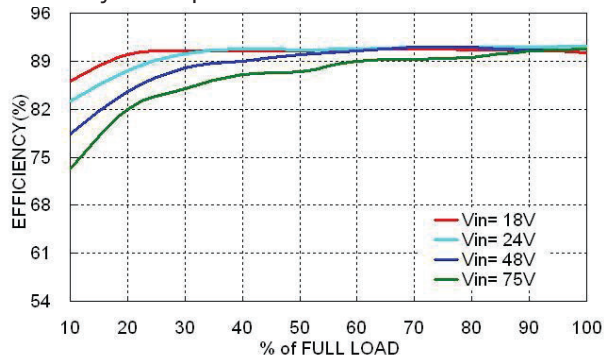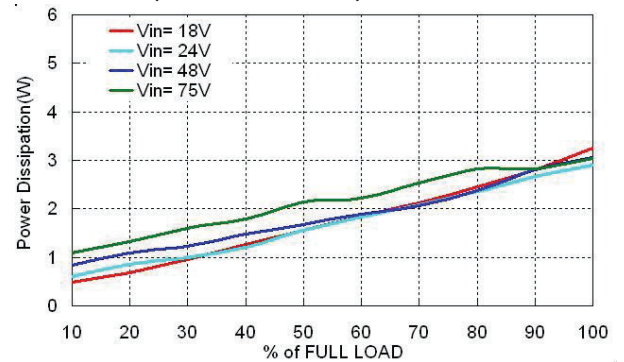### Derating Output Load versus Ambient Temperature

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

THN 30-4822WI

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

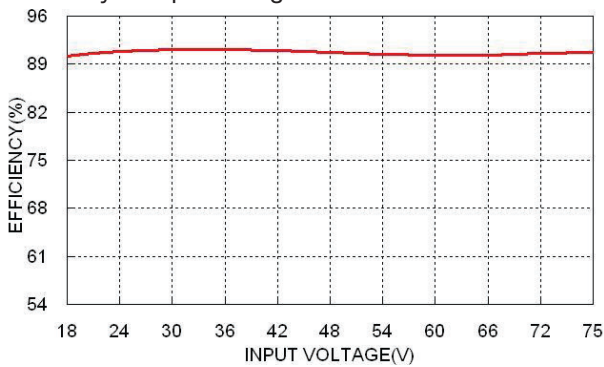Remote on/off Voltage Start-Up Characteristic

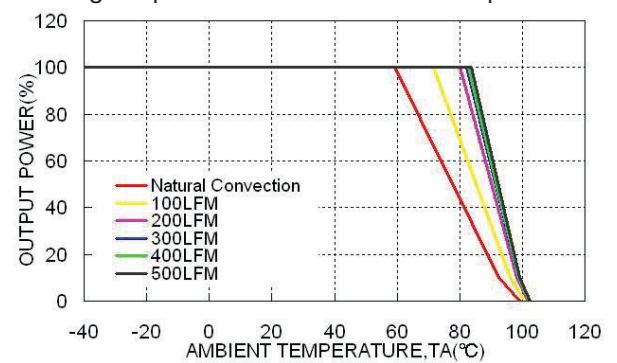## THN 30-4823WI

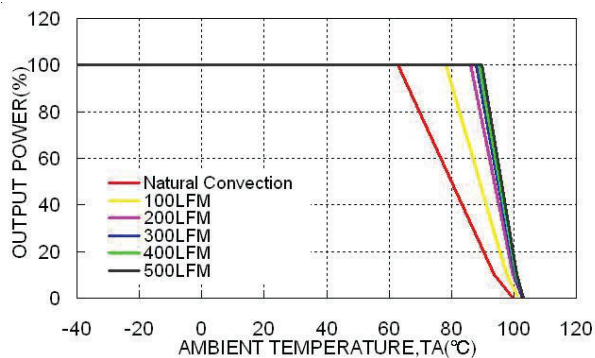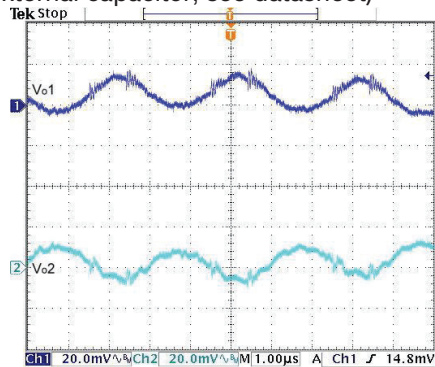Efficiency vs Output Load

Power Dissipation versus Output Load

Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature

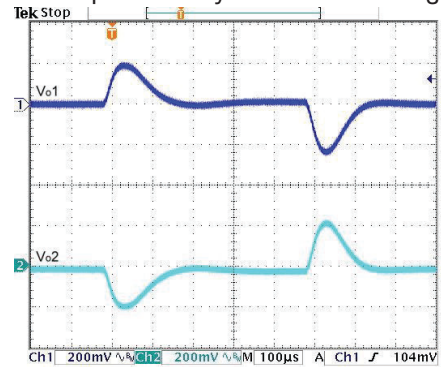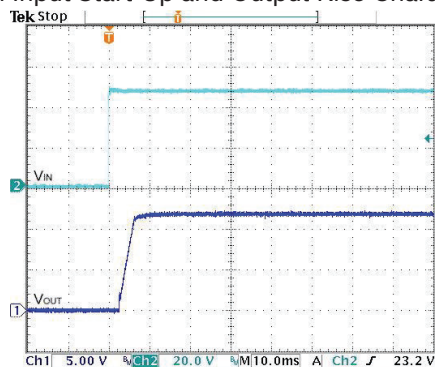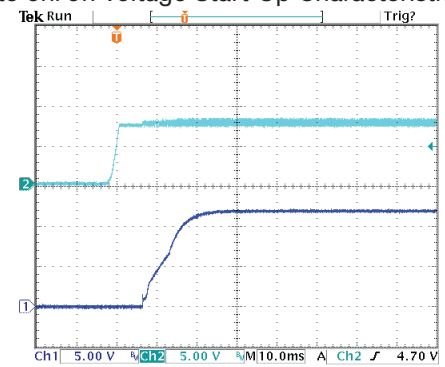Derating Output Load versus Ambient Temperature with Heatsink (THN-HS1)

THN 30-4823WI

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

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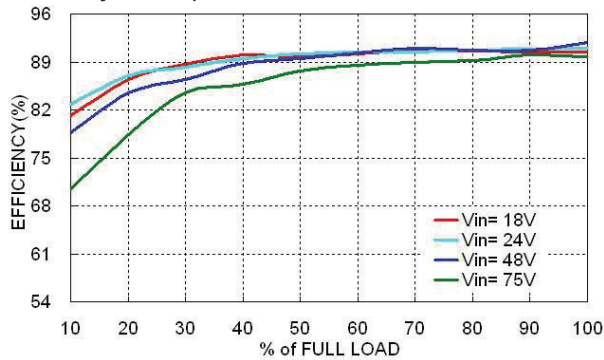
Typical Input Start-Up and Output Rise Characteristic

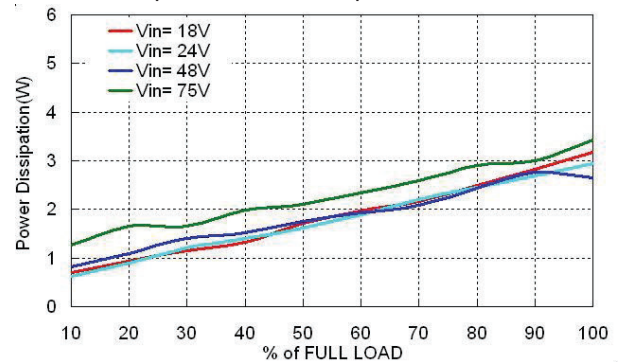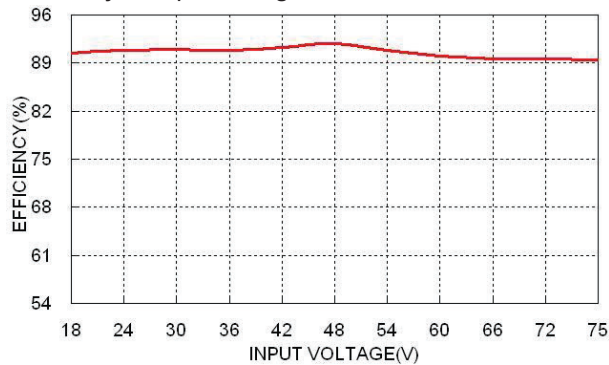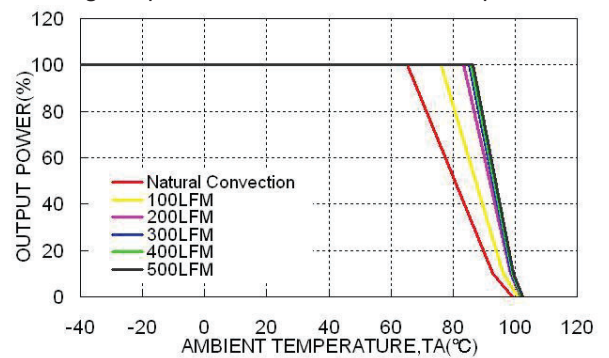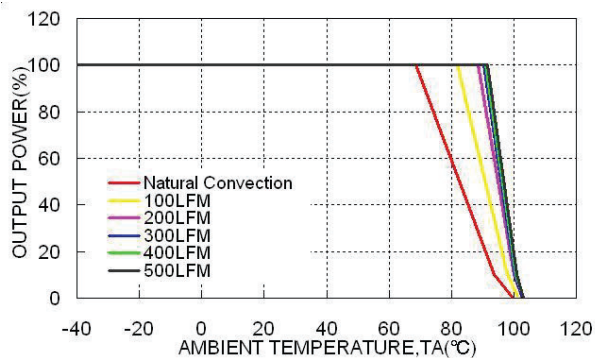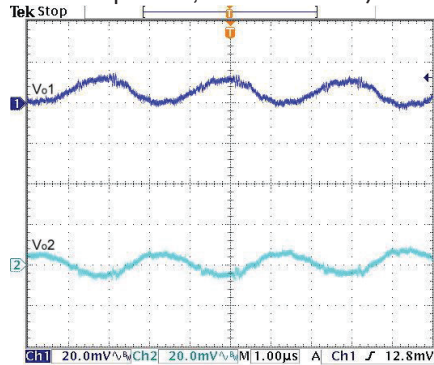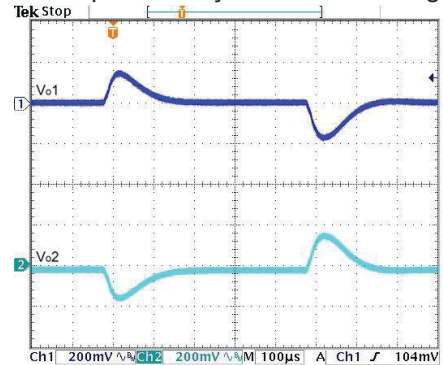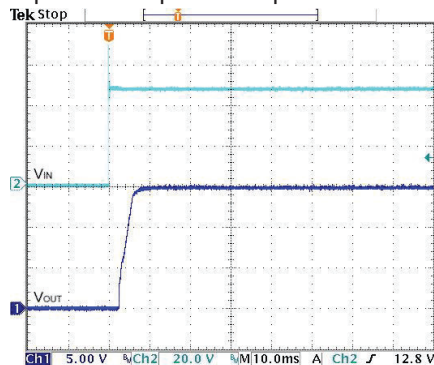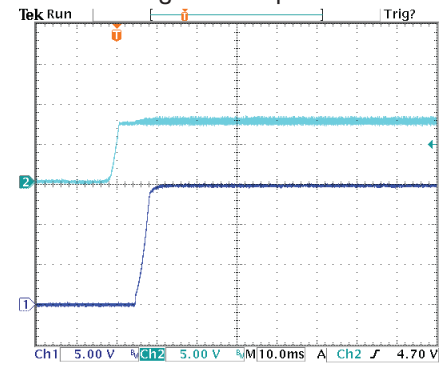Remote on/off Voltage Start-Up Characteristic

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THN 30-4825WI

Efficiency vs Output Load

Power Dissipation versus Output Load

Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature

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

TRACO POWER

THN 30-4825WI

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

Transient Response to Dynamic Load Change (25%)

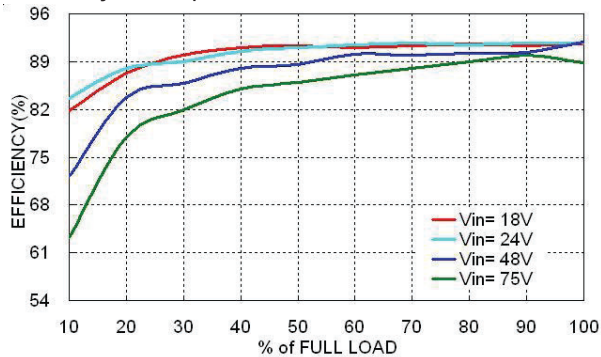Typical Input Start-Up and Output Rise Characteristic

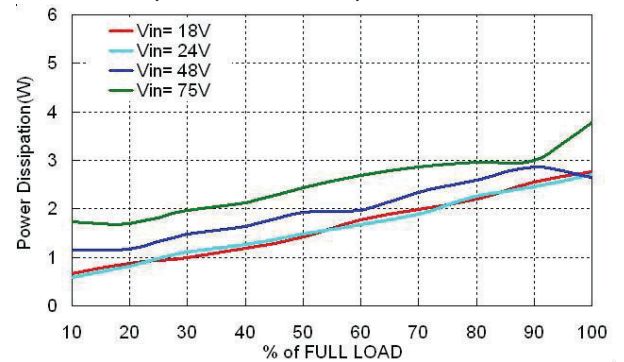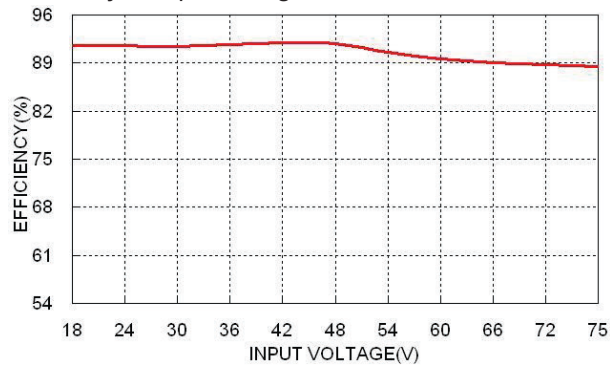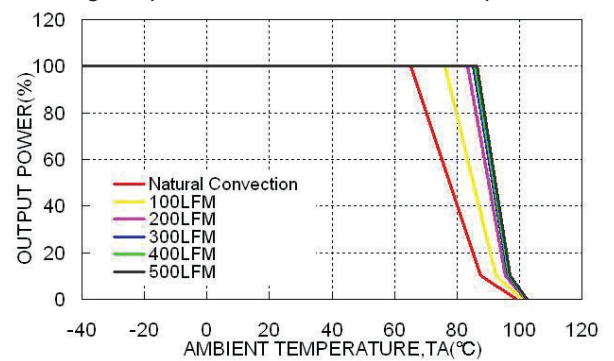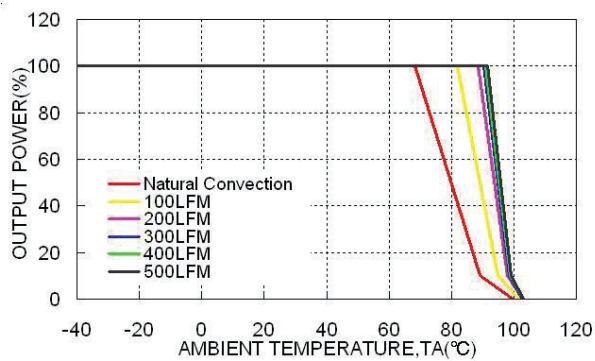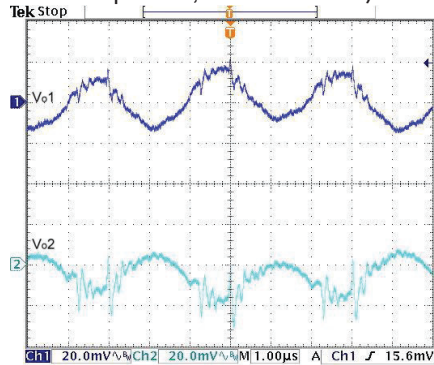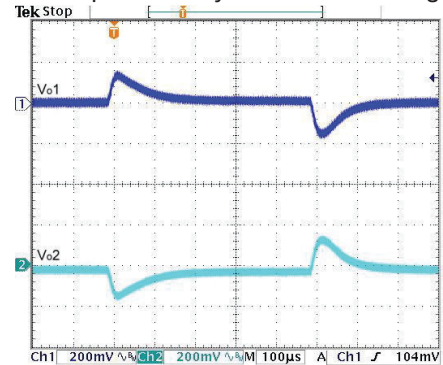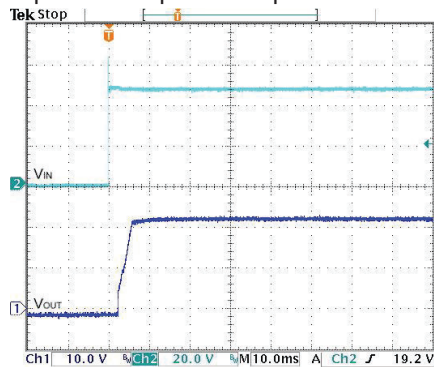Remote on/off Voltage Start-Up Characteristic