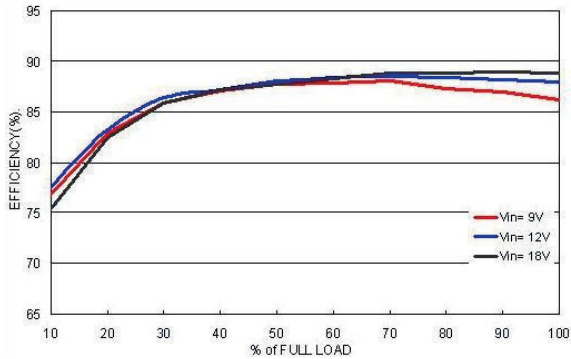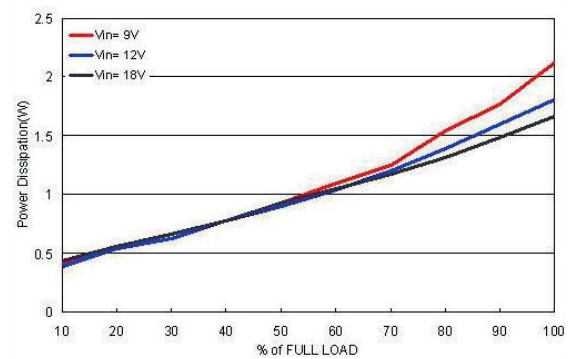# ▌▌TRACO POWER

Characteristic Curves
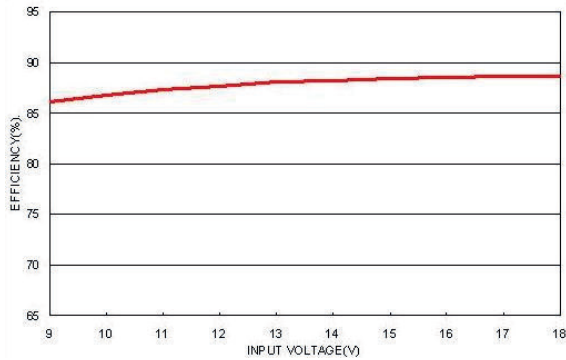
THD 15-1210N

Efficiency vs Output Load

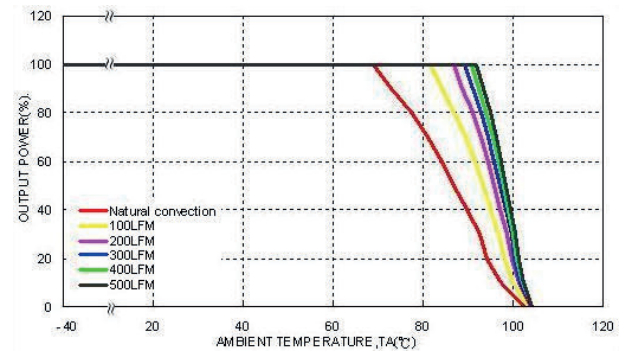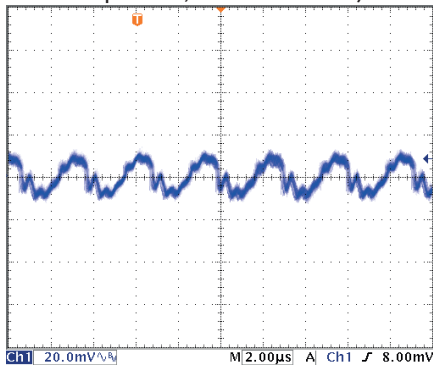Power Dissipation vs Output Load
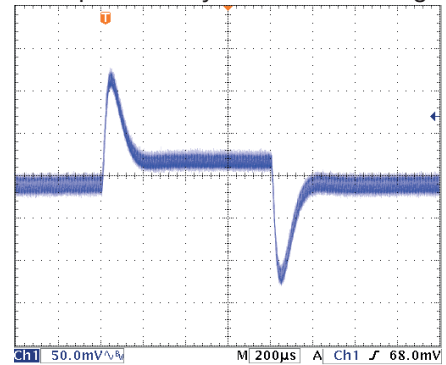

Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature
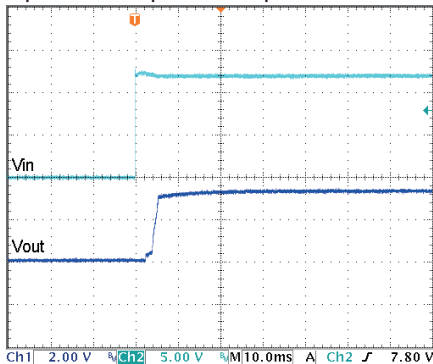

Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

Typical Input Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic

TRACO POWER

THD 15-1211N

Efficiency vs Output Load

Power Dissipation vs Output Load

Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature

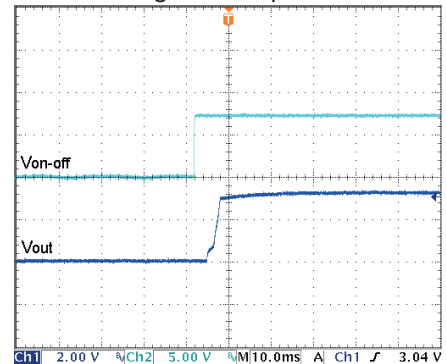Typical Output Ripple and Noise
(with external capacitor; see datasheet)

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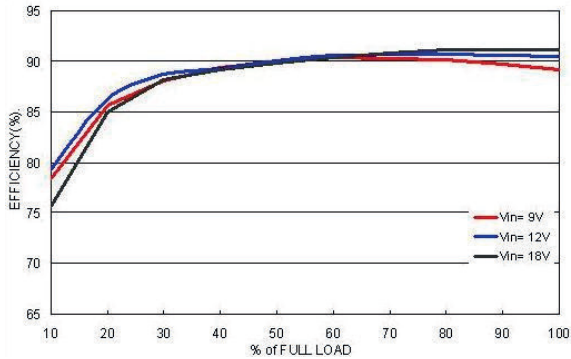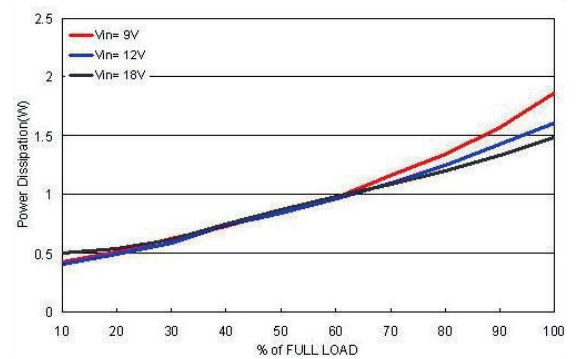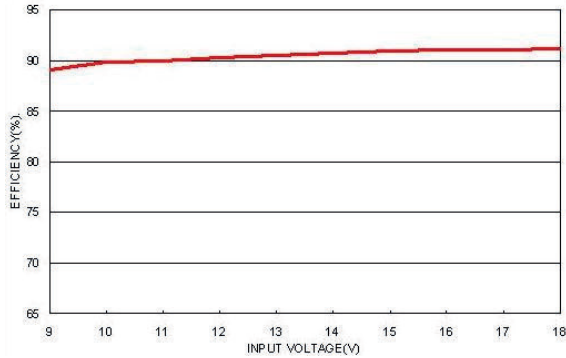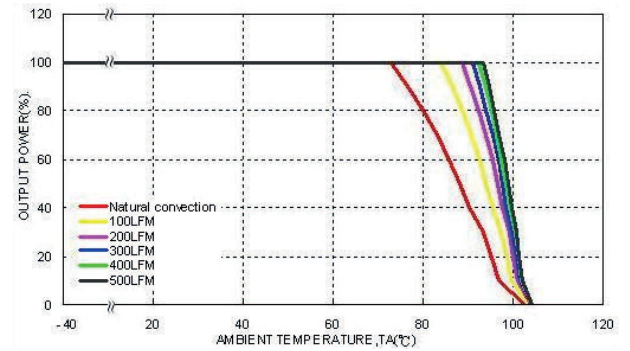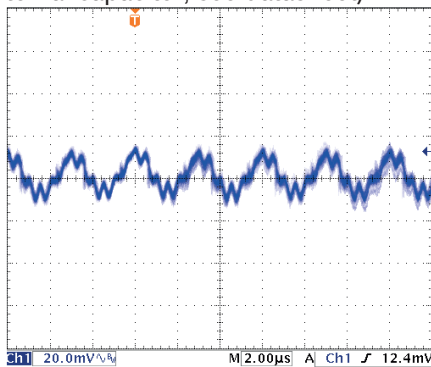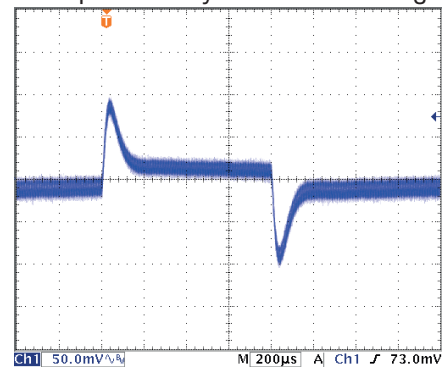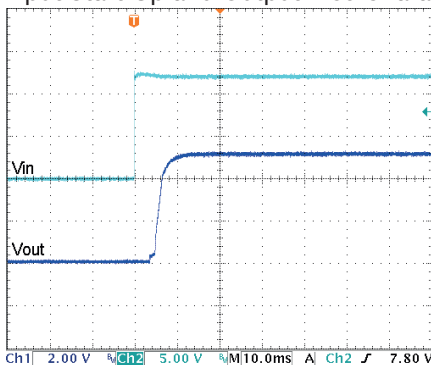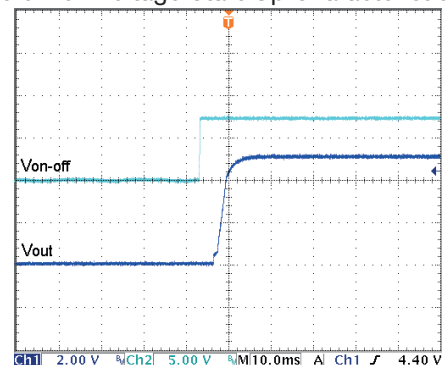
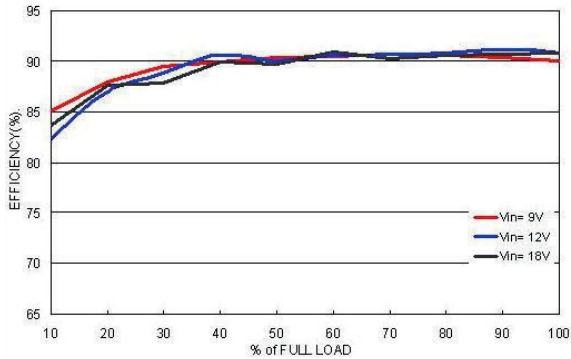Typical Input Start-Up and Output Rise Characteristic

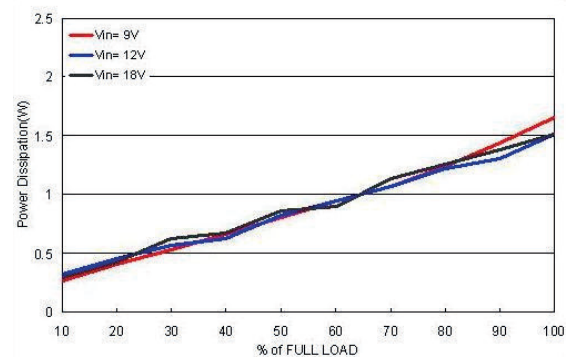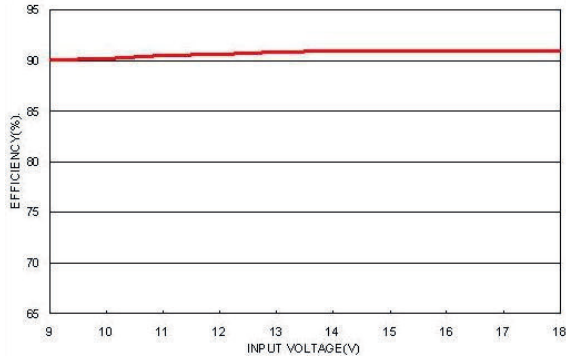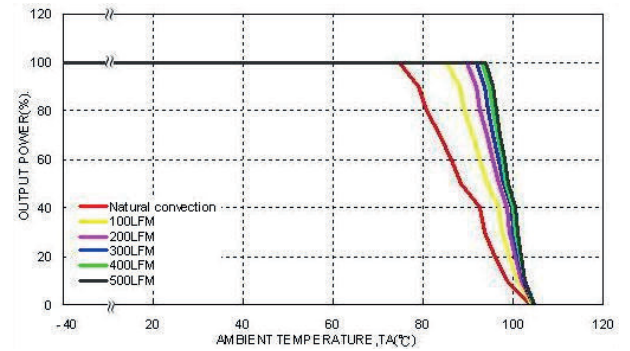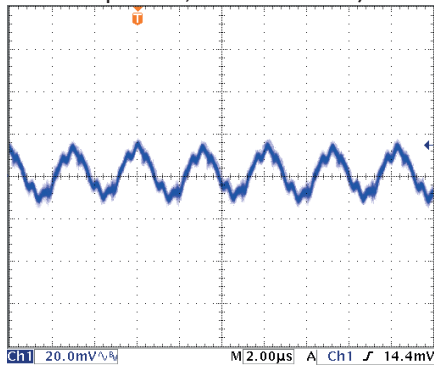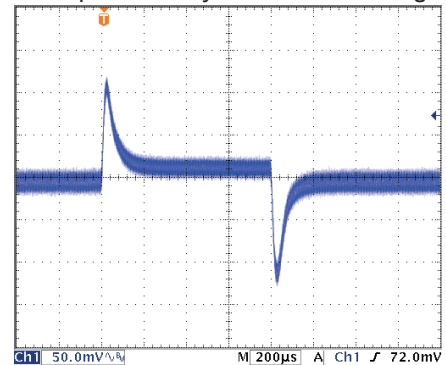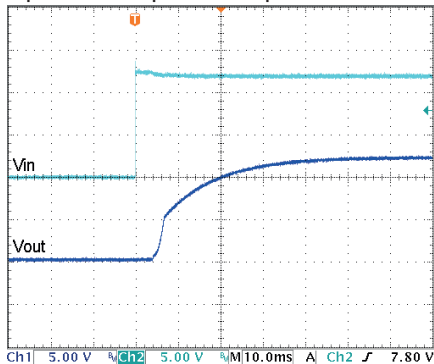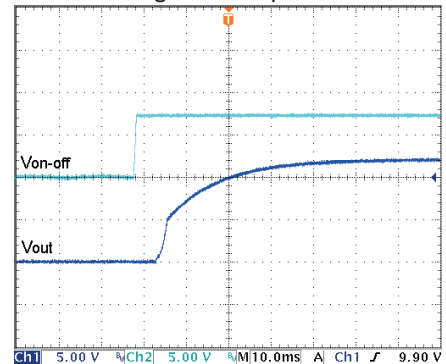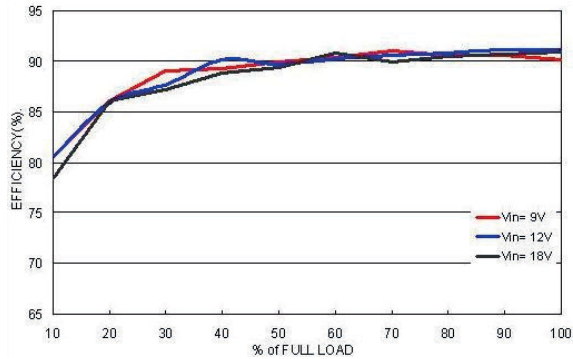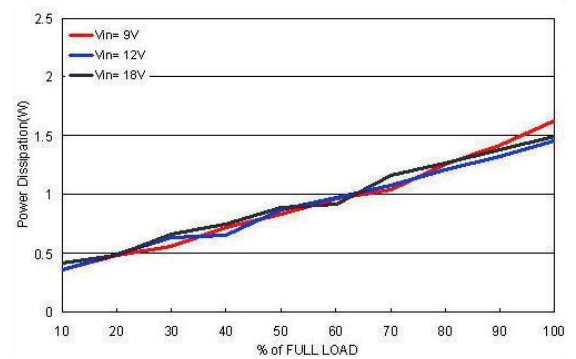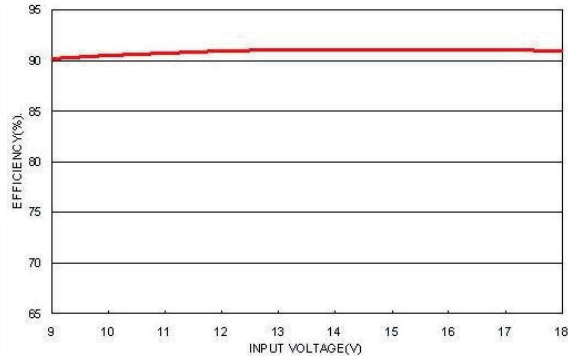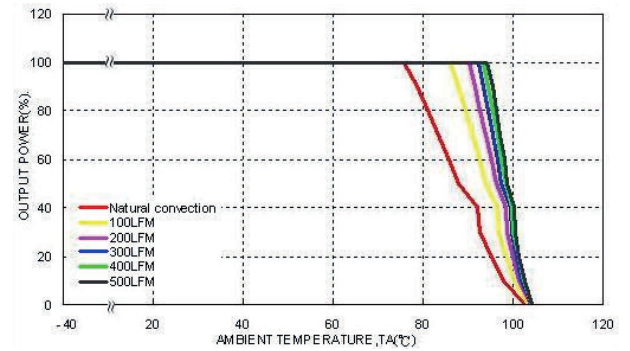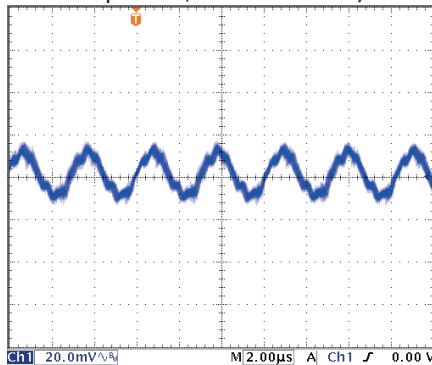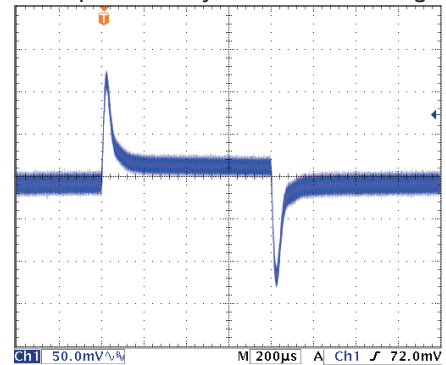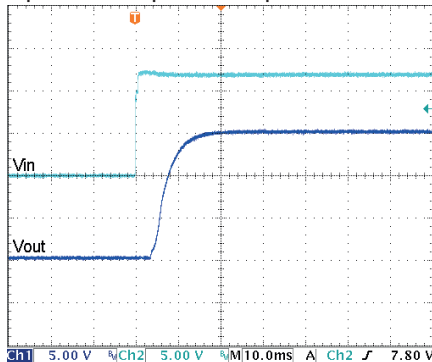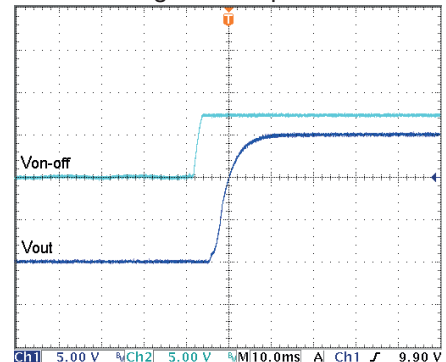Remote on/off Voltage Start-Up Characteristic

III TRACO POWER

THD 15-1212N

Efficiency vs Output Load

EFFICIENCY(%).

Vin= 9V
Vin= 12V
Vin= 18V

% of FULL LOAD

Power Dissipation vs Output Load

Power Dissipation(W)

Vin= 9V
Vin= 12V
Vin= 18V

% of FULL LOAD

Efficiency vs Input Voltage

EFFICIENCY(%).

INPUT VOLTAGE(V)

Derating Output Load versus Ambient Temperature

OUTPUT POWER(%).

Natural convection
100LFM
200LFM
300LFM
400LFM
500LFM

AMBIENT TEMPERATURE,TA(°C)

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

Ch1 20.0mV∿⅍   M 2.00µs A Ch1 ∫ 14.4mV

Transient Response to Dynamic Load Change (25%)

Ch1 50.0mV∿⅍   M 200µs A Ch1 ∫ 72.0mV

Typical Input Start-Up and Output Rise Characteristic

Vin

Vout

Ch1 5.00 V ⅍Ch2 5.00 V ⅍M 10.0ms A Ch2 ∫ 7.80 V

Remote on/off Voltage Start-Up Characteristic

Von-off

Vout

Ch1 5.00 V ⅍Ch2 5.00 V ⅍M 10.0ms A Ch1 ∫ 9.90 V

THD 15-1213N

Efficiency vs Output Load

Power Dissipation vs Output Load

Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature

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

Transient Response to Dynamic Load Change (25%)

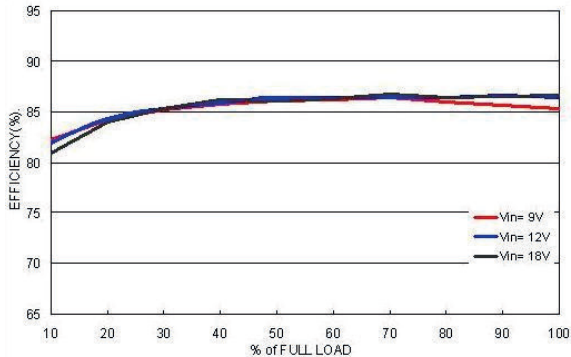### Typical Input Start-Up and Output Rise Characteristic

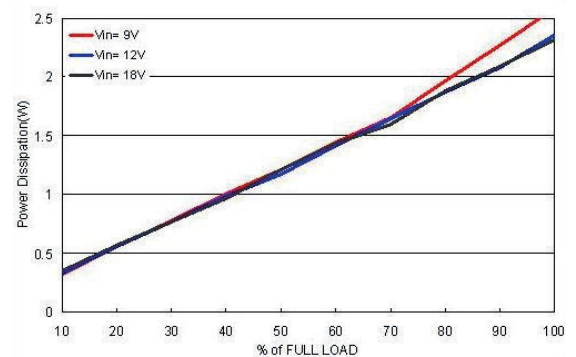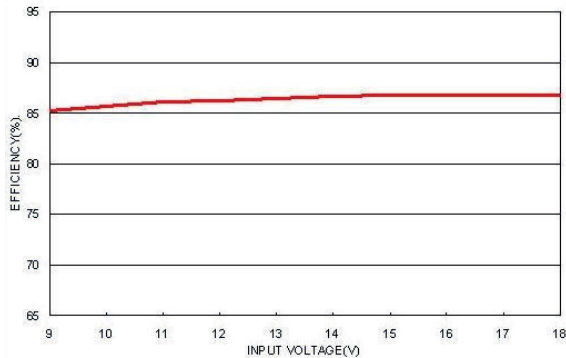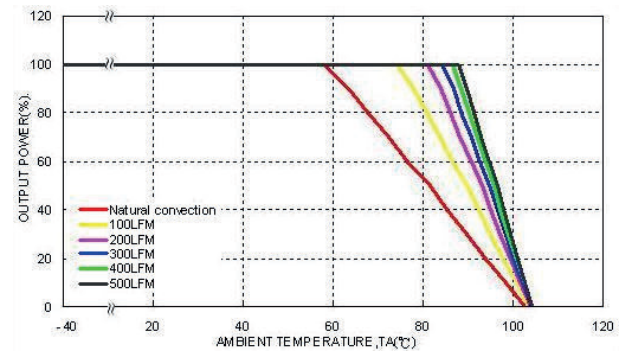### Remote on/off Voltage Start-Up Characteristic

THD 15-1221N

Efficiency vs Output Load
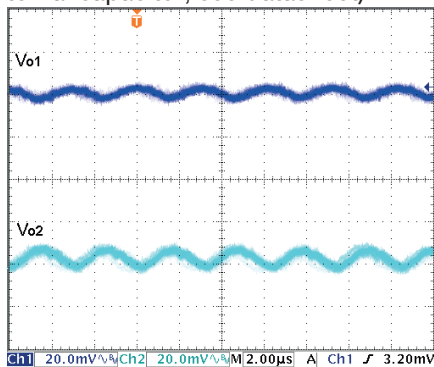

Power Dissipation vs Output Load

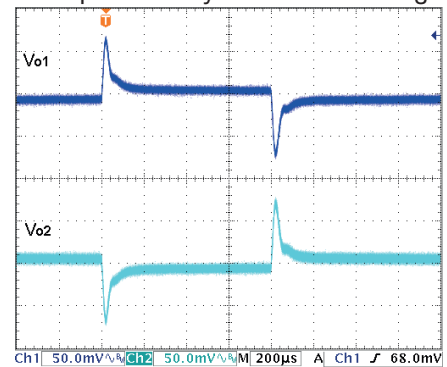### Efficiency vs Input Voltage

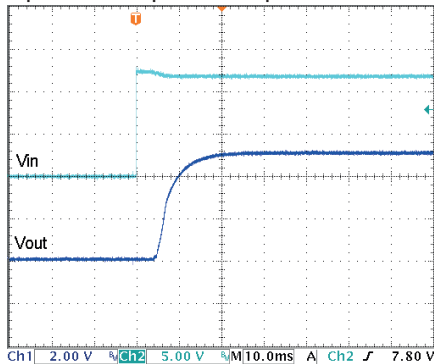### Derating Output Load versus Ambient Temperature

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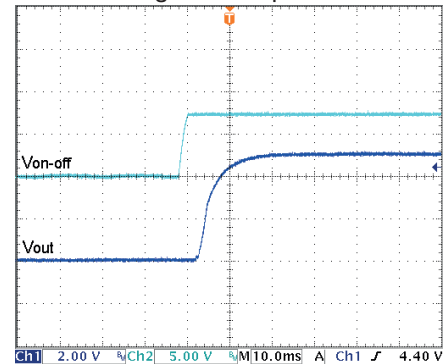(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

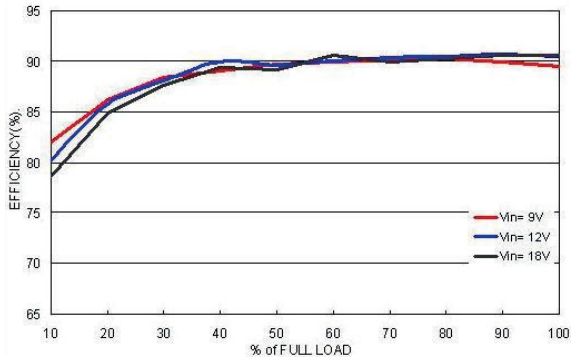### Typical Input Start-Up and Output Rise Characteristic

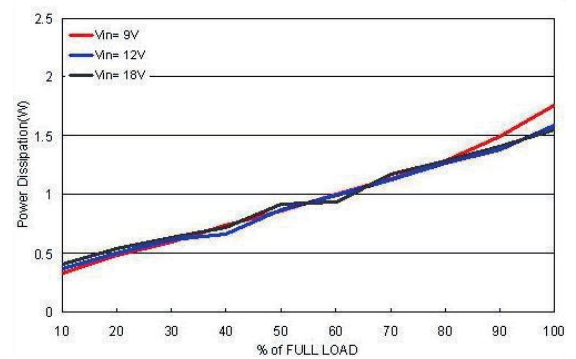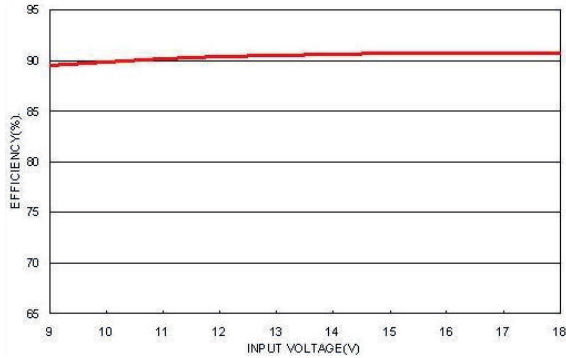### Remote on/off Voltage Start-Up Characteristic

THD 15-1222N
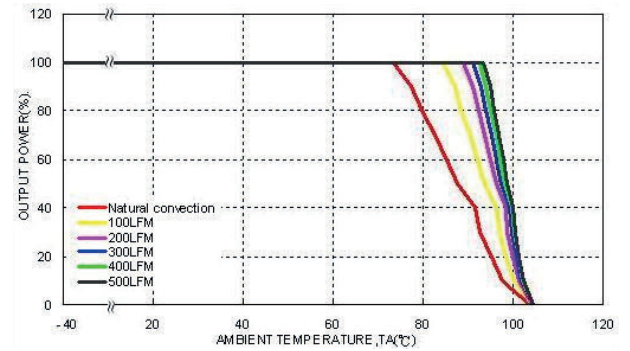
Efficiency vs Output Load
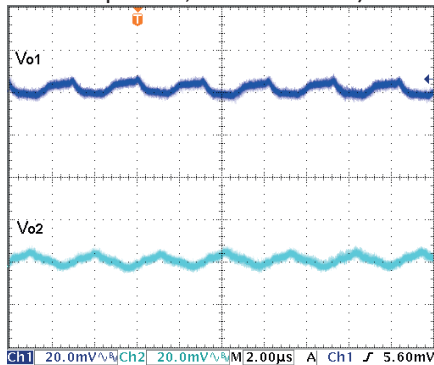

Power Dissipation vs Output Load

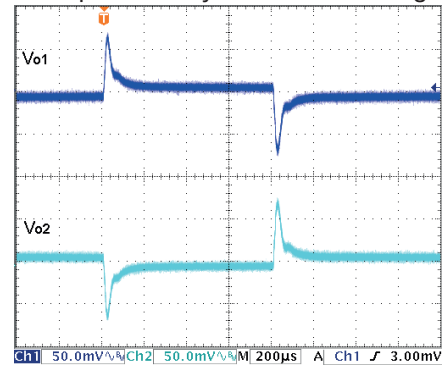### Efficiency vs Input Voltage

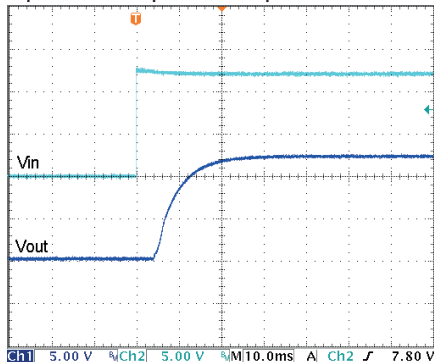### Derating Output Load versus Ambient Temperature

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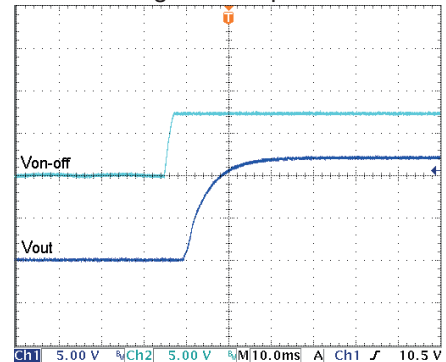(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

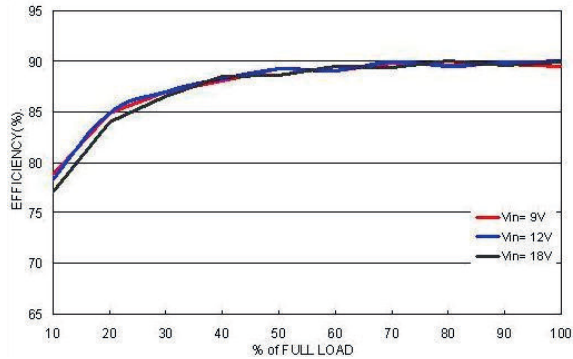### Typical Input Start-Up and Output Rise Characteristic

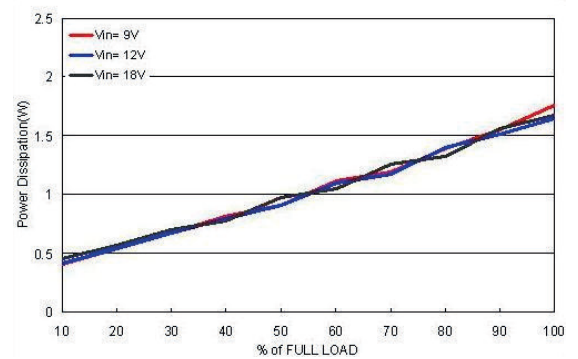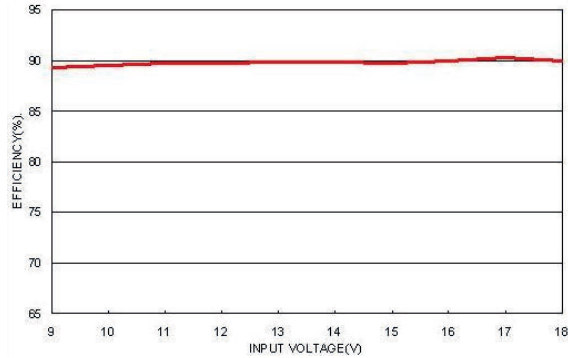### Remote on/off Voltage Start-Up Characteristic

III TRACO POWER

THD 15N Series

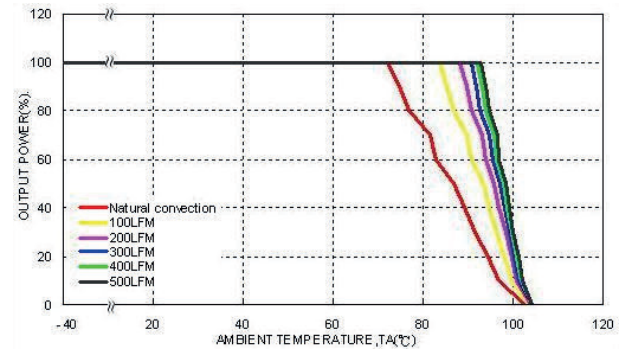## THD 15-1223N

Efficiency vs Output Load

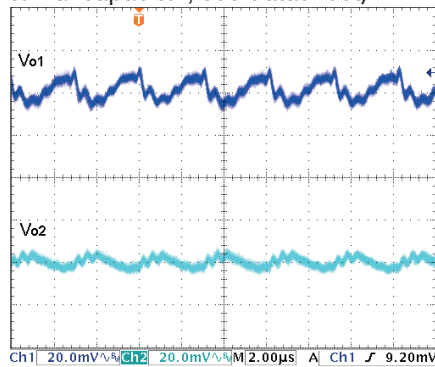### Power Dissipation vs Output Load

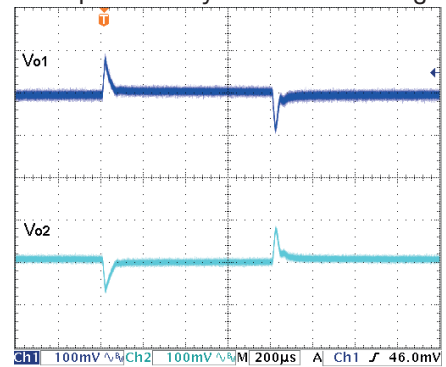### Efficiency vs Input Voltage
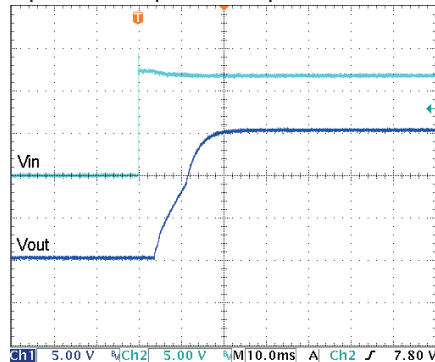

Derating Output Load versus Ambient Temperature

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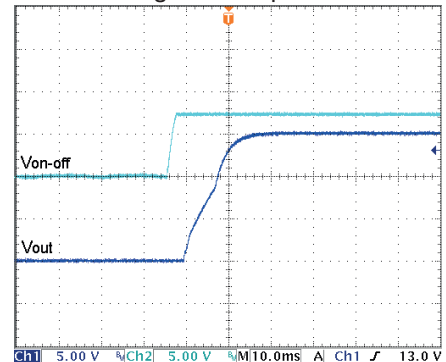### (with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

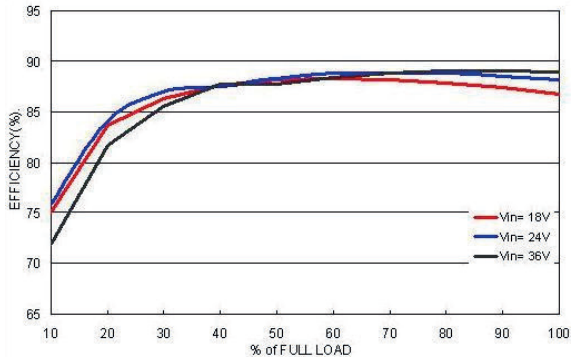### Typical Input Start-Up and Output Rise Characteristic
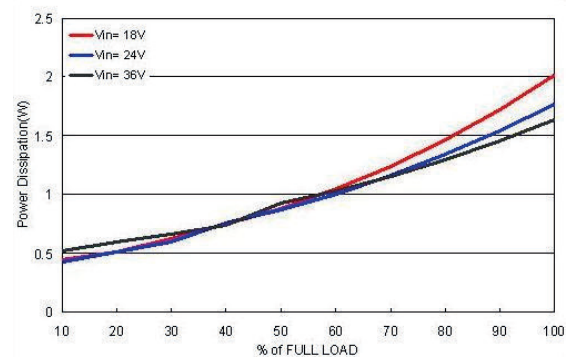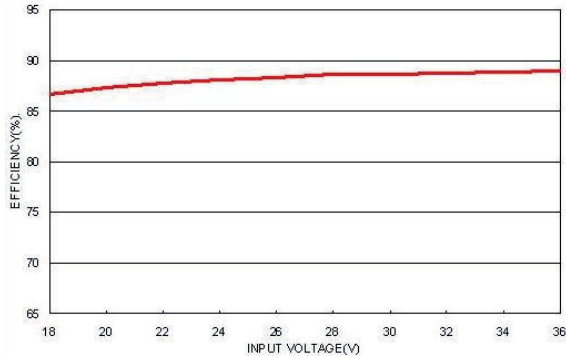

Remote on/off Voltage Start-Up Characteristic

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TRACO POWER

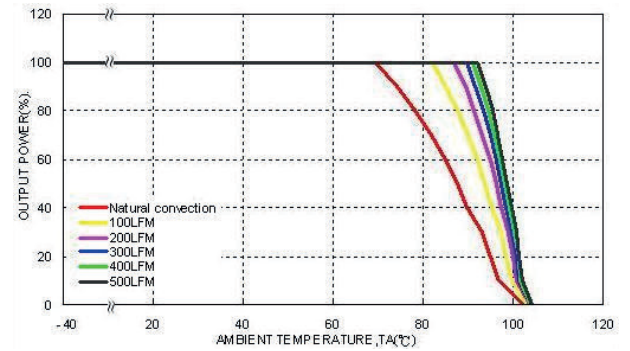## THD 15-2410N

Efficiency vs Output Load

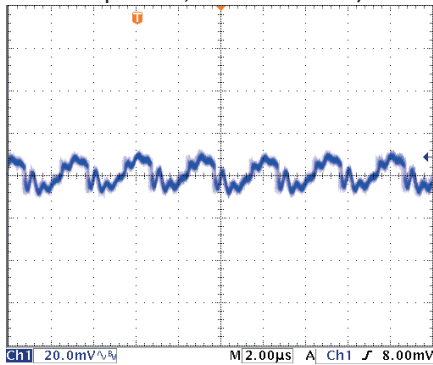### Power Dissipation vs Output Load

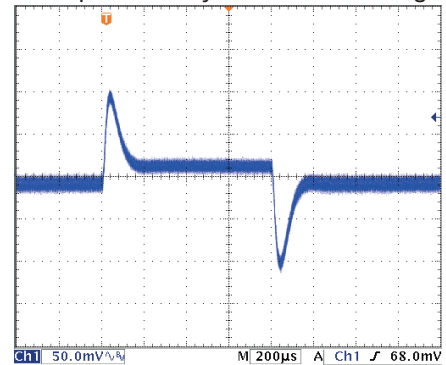### Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature
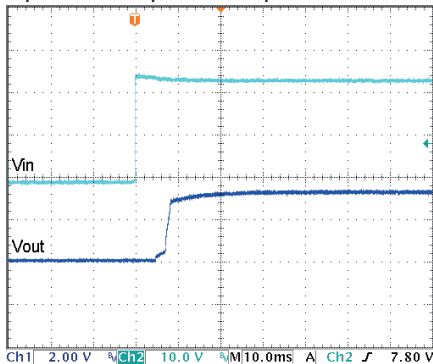

Typical Output Ripple and Noise
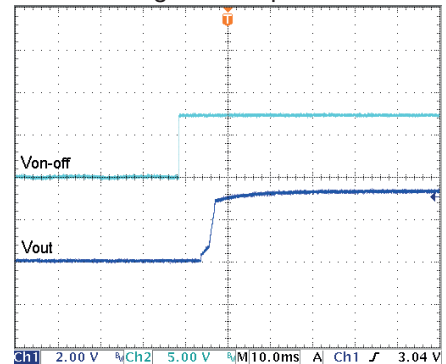(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

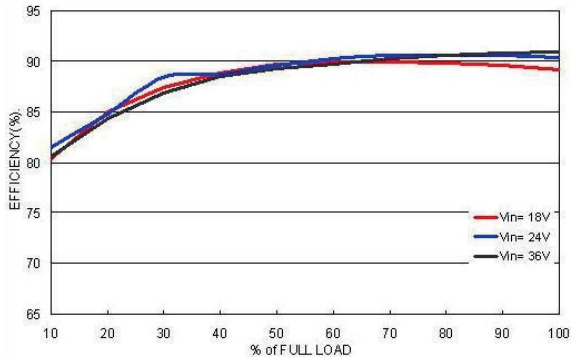### Typical Input Start-Up and Output Rise Characteristic
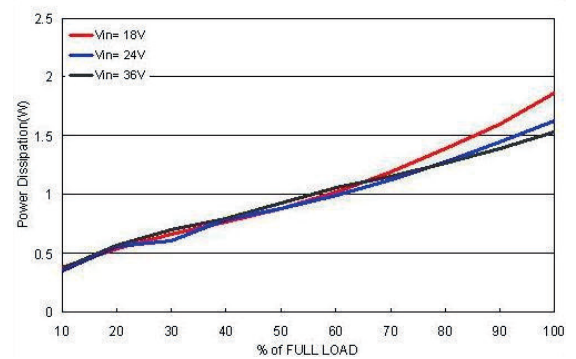

Remote on/off Voltage Start-Up Characteristic
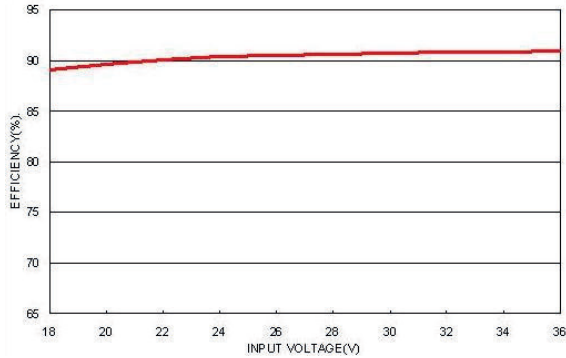
THD 15-2411N

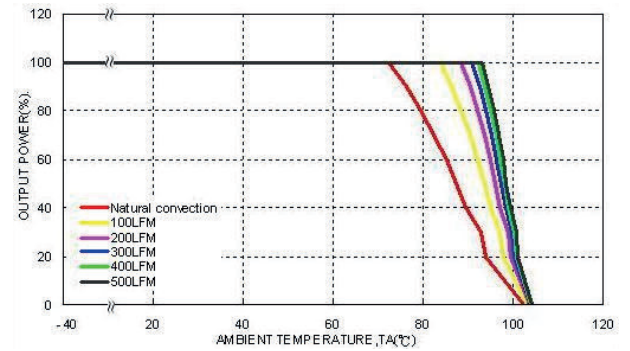### Efficiency vs Output Load

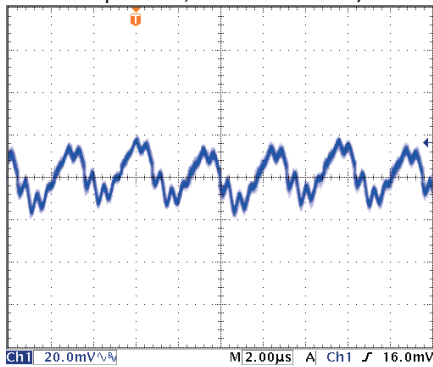### Power Dissipation vs Output Load
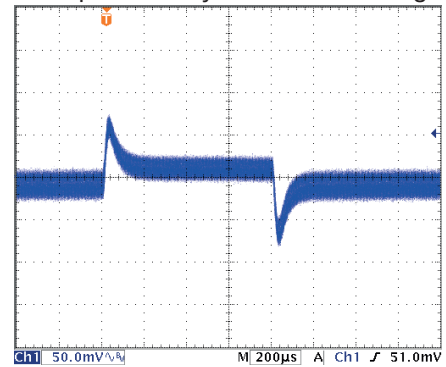

Efficiency vs Input Voltage

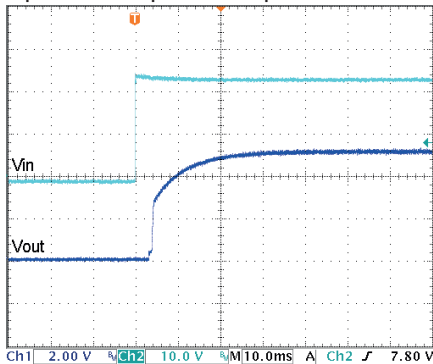### Derating Output Load versus Ambient Temperature

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

THD 15-2412N

Efficiency vs Output Load

Power Dissipation vs Output Load

Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature

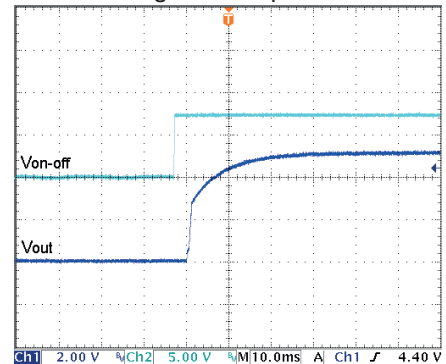Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

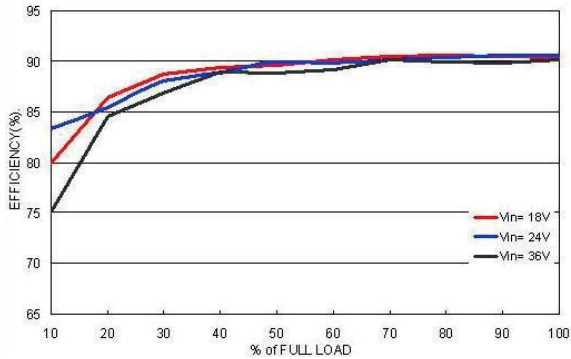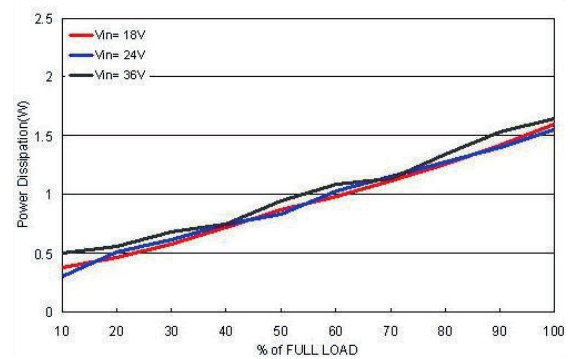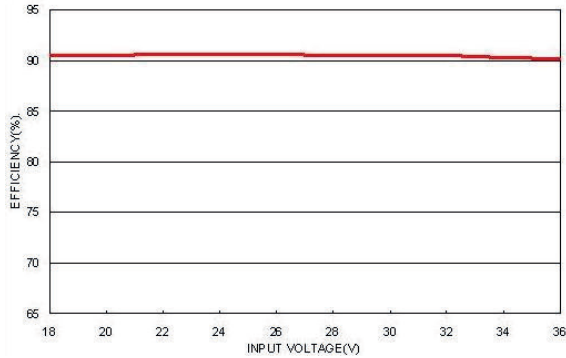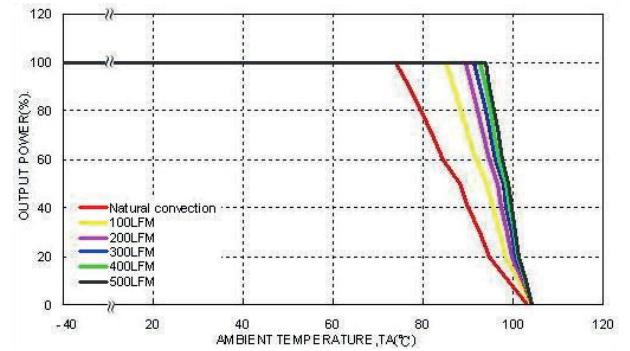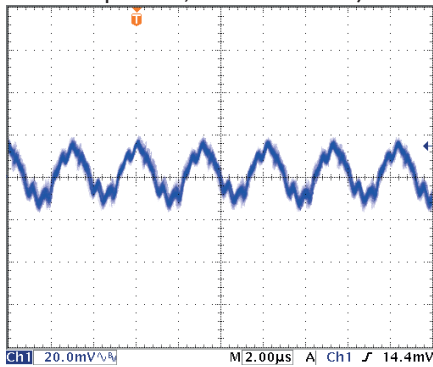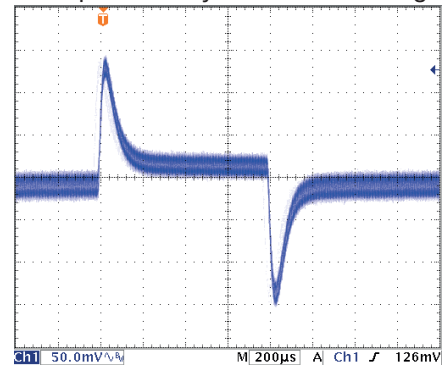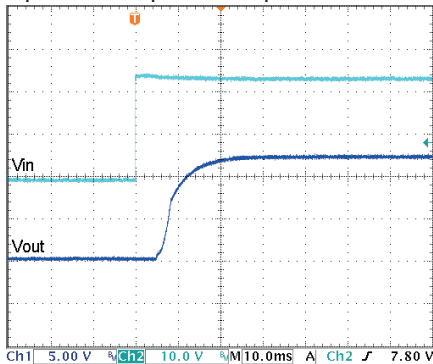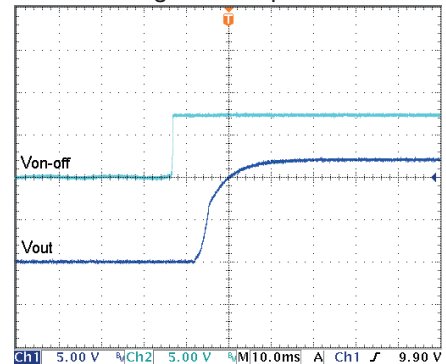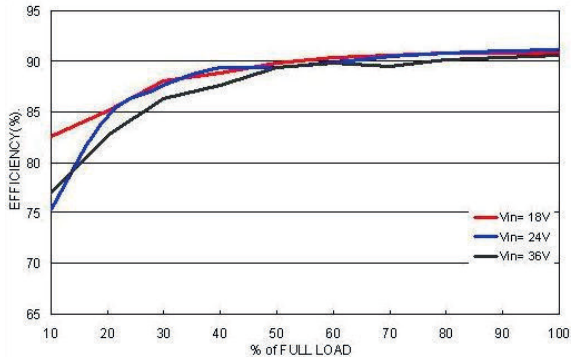Typical Input Start-Up and Output Rise Characteristic

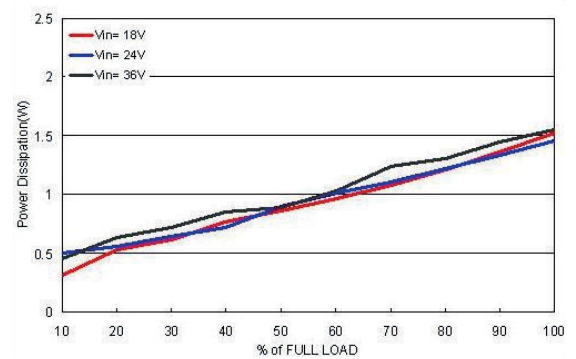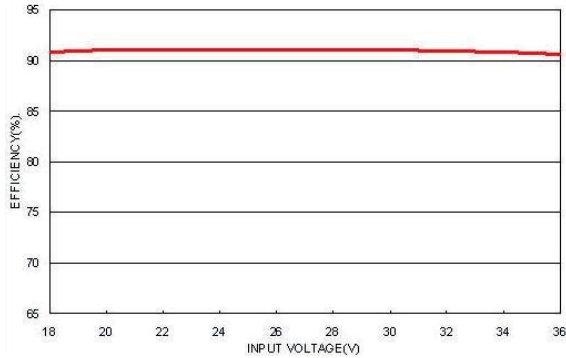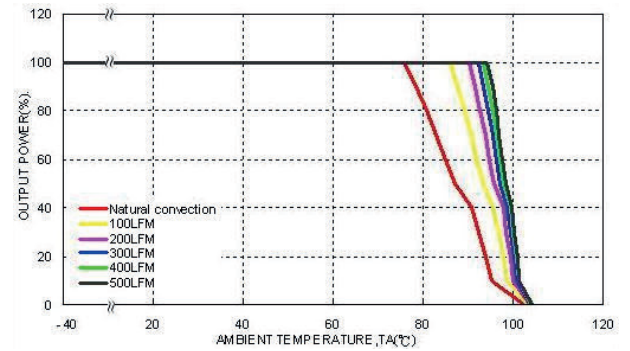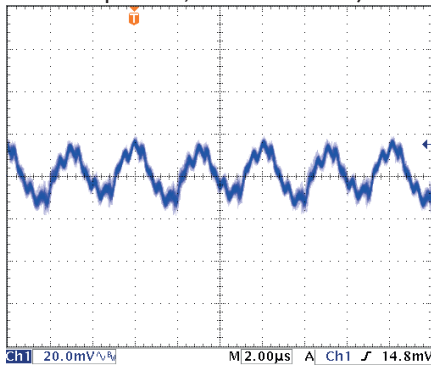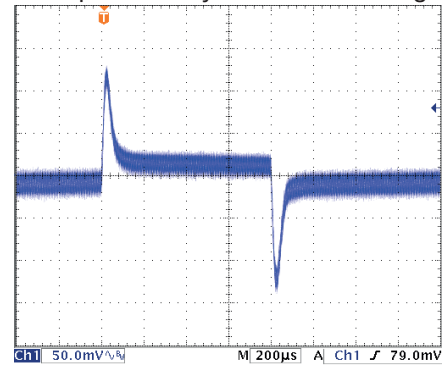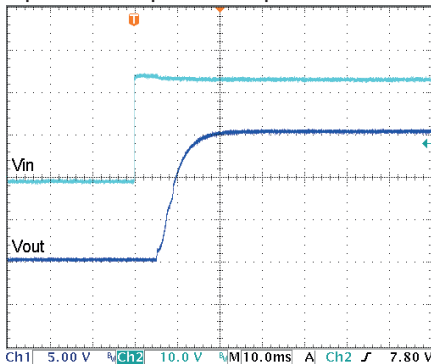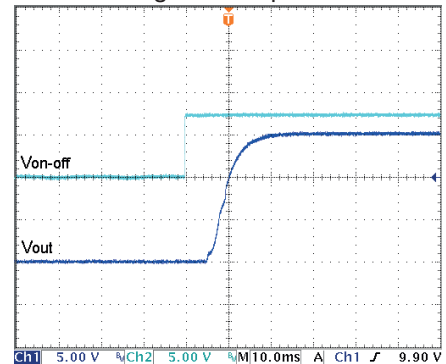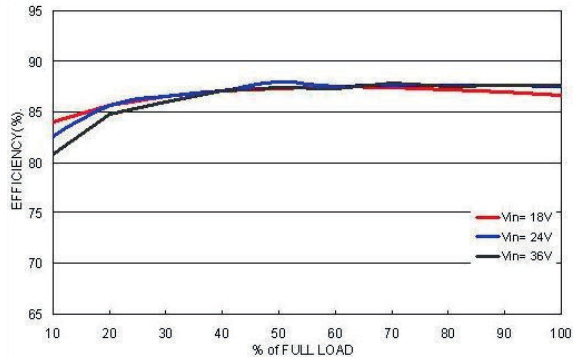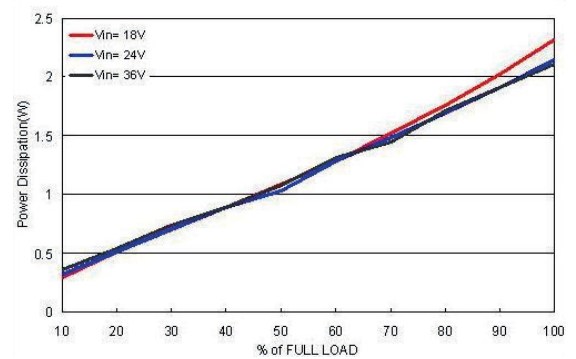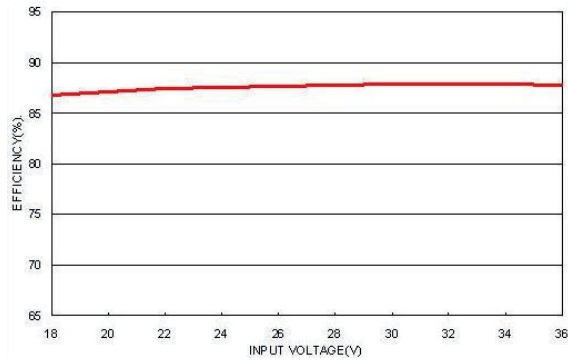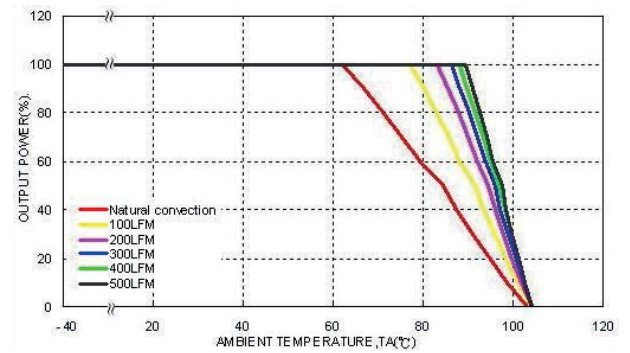Remote on/off Voltage Start-Up Characteristic

THD 15-2413N

Efficiency vs Output Load

Power Dissipation vs Output Load

Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature

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

THD 15-2421N

Efficiency vs Output Load

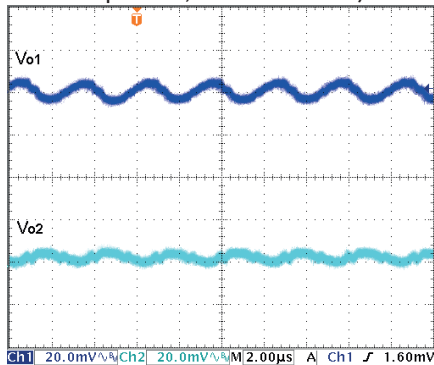### Power Dissipation vs Output Load
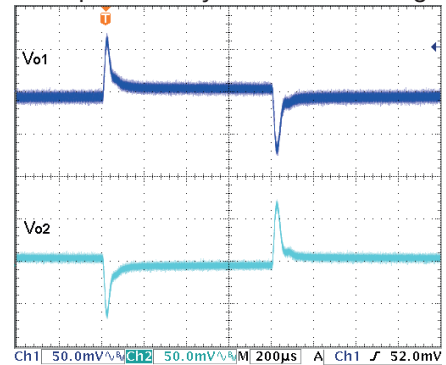

Efficiency vs Input Voltage

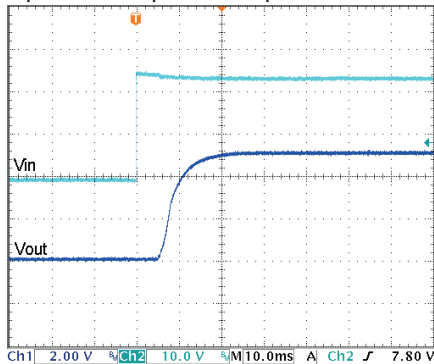### Derating Output Load versus Ambient Temperature

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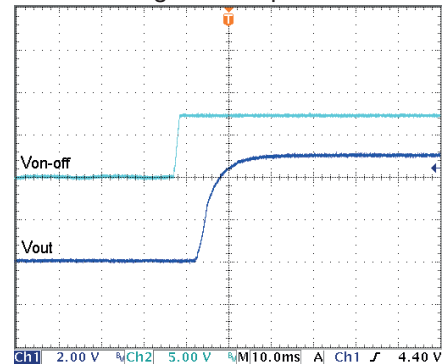(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

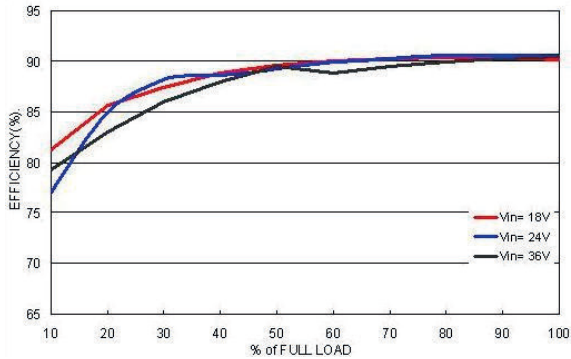### Typical Input Start-Up and Output Rise Characteristic

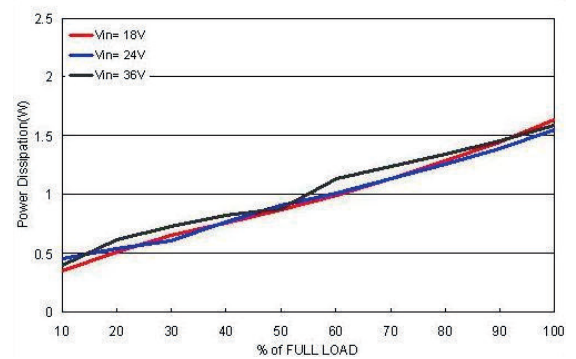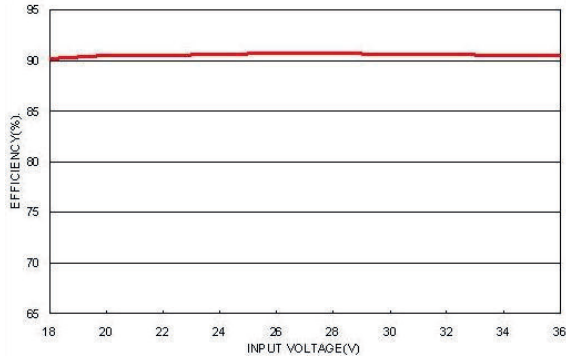### Remote on/off Voltage Start-Up Characteristic

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THD 15-2422N

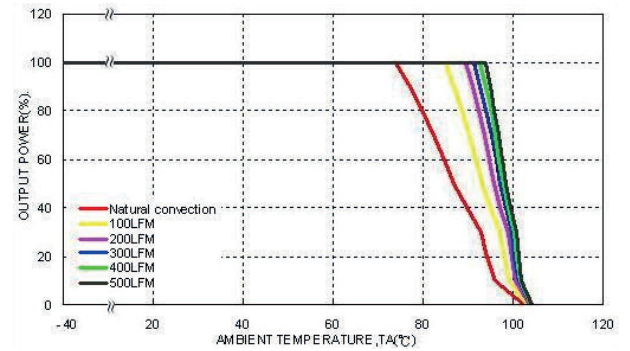### Efficiency vs Output Load

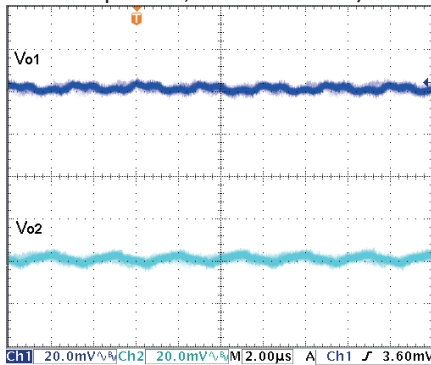### Power Dissipation vs Output Load

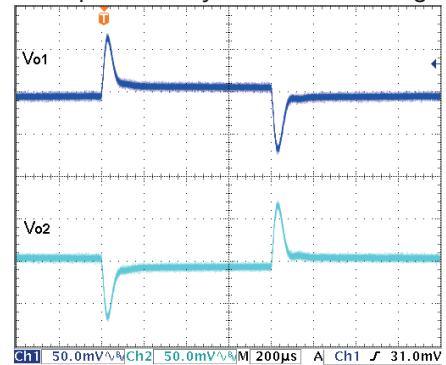### Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature
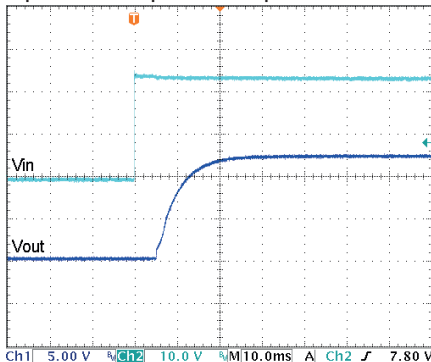

Typical Output Ripple and Noise
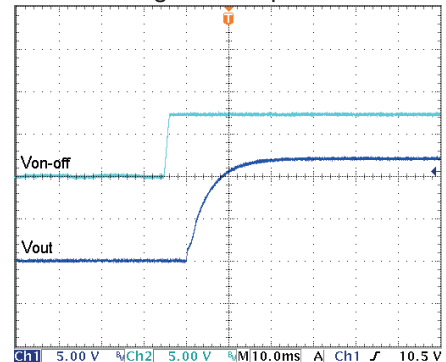(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)
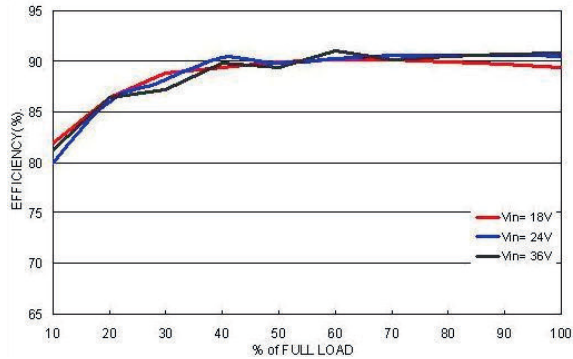

Typical Input Start-Up and Output Rise Characteristic
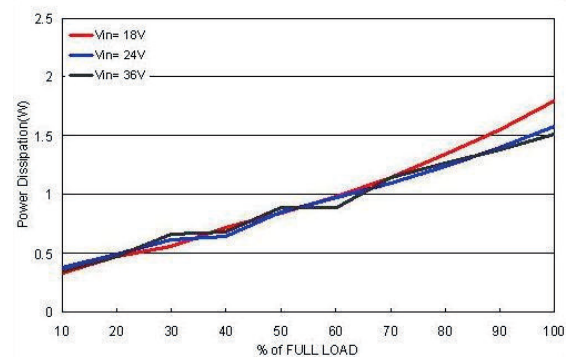

Remote on/off Voltage Start-Up Characteristic
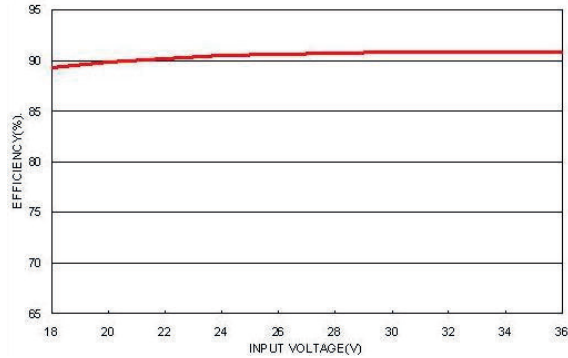
THD 15-2423N

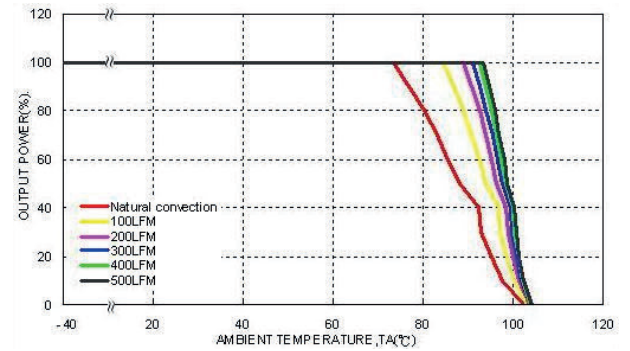### Efficiency vs Output Load

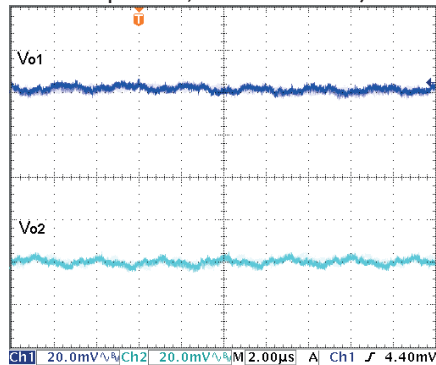### Power Dissipation vs Output Load
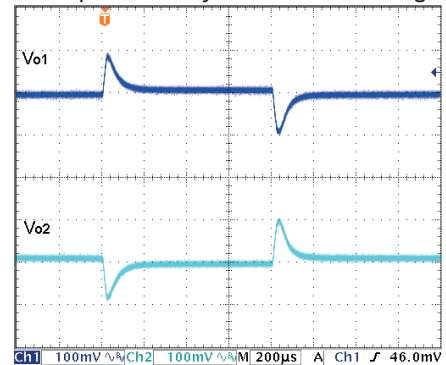

Efficiency vs Input Voltage

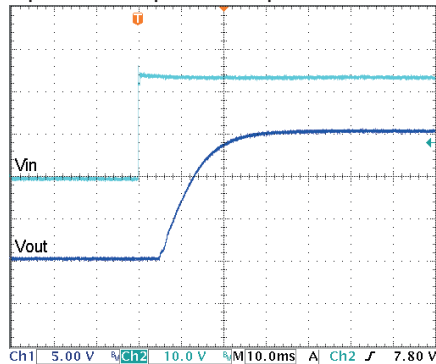### Derating Output Load versus Ambient Temperature

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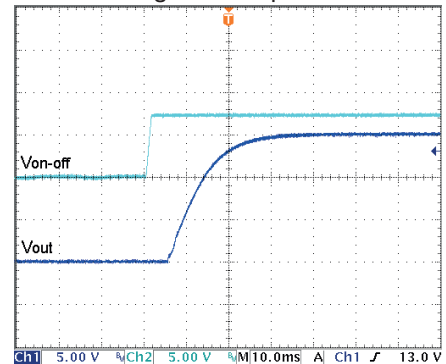(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

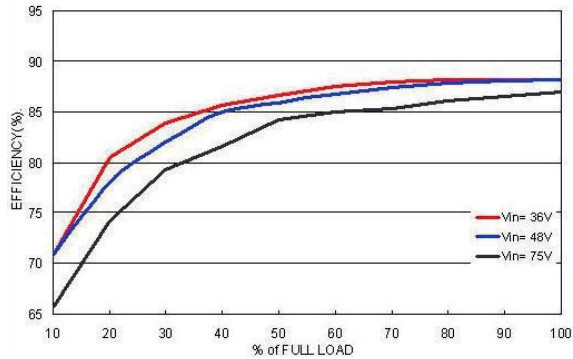### Typical Input Start-Up and Output Rise Characteristic

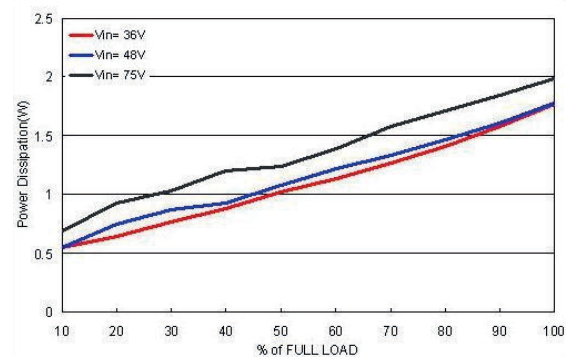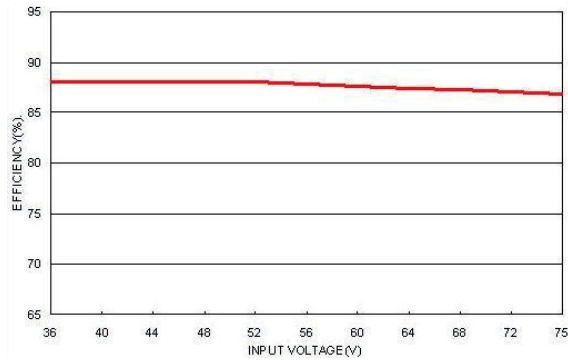### Remote on/off Voltage Start-Up Characteristic

THD 15-4810N

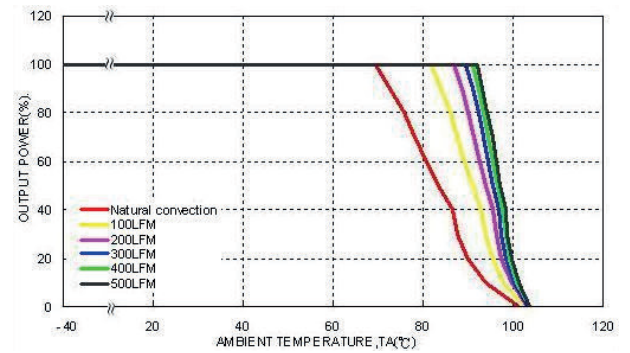### Efficiency vs Output Load

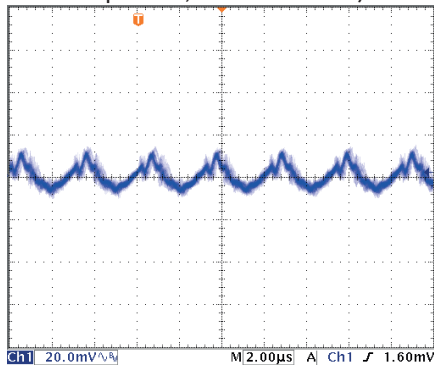### Power Dissipation vs Output Load
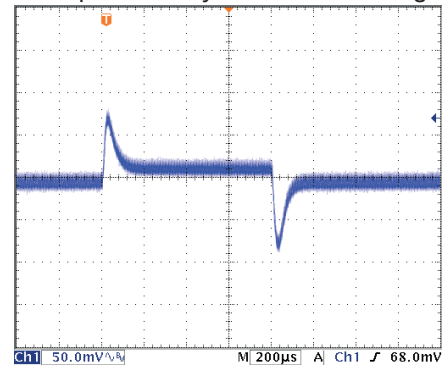
Efficiency vs Input Voltage

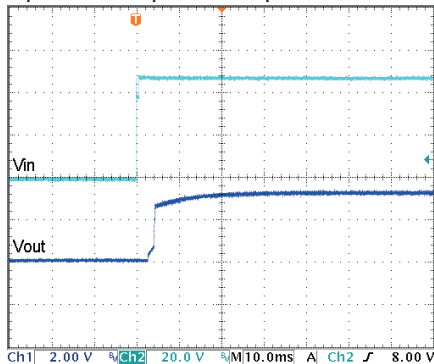### Derating Output Load versus Ambient Temperature

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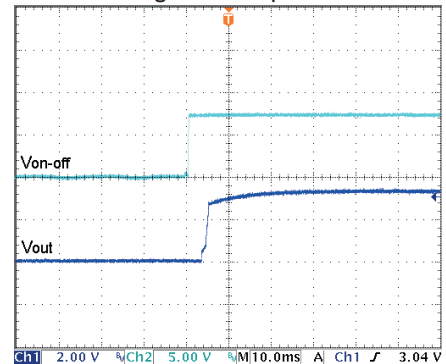(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

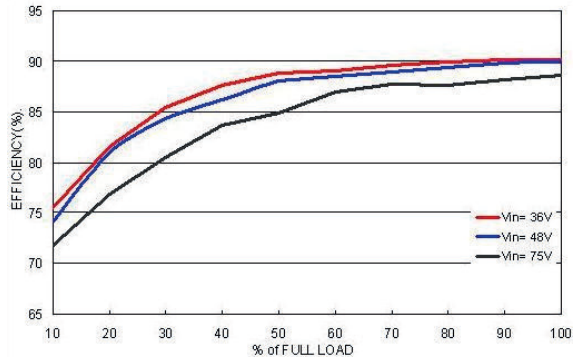### Typical Input Start-Up and Output Rise Characteristic
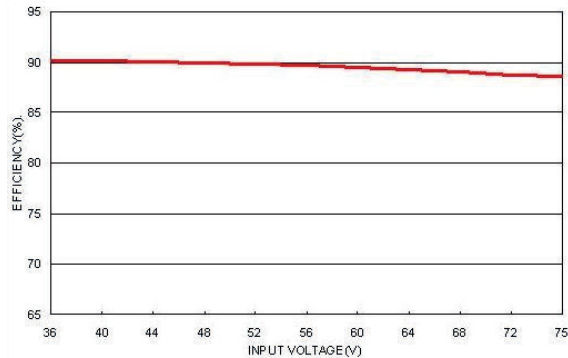
Remote on/off Voltage Start-Up Characteristic

THD 15-4811N

Efficiency vs Output Load

Power Dissipation vs Output Load

Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature

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
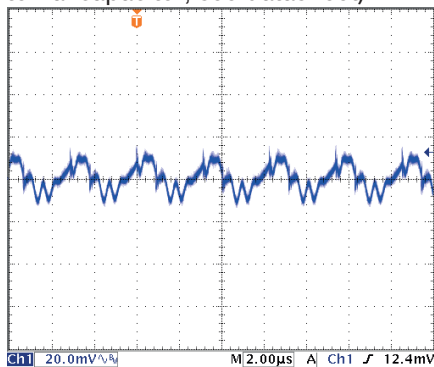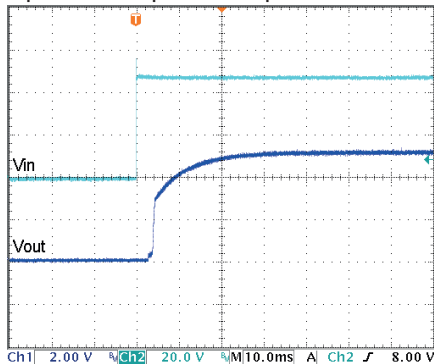

Remote on/off Voltage Start-Up Characteristic
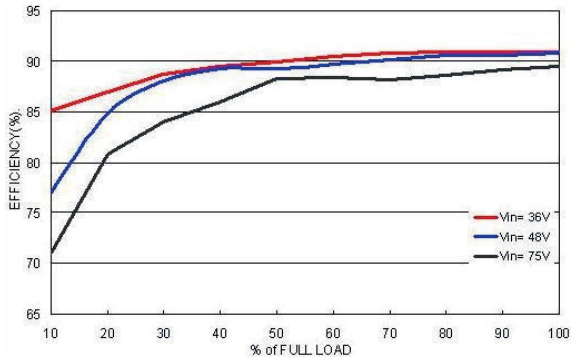
THD 15-4812N

Efficiency vs Output Load

Power Dissipation vs Output Load

Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature

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

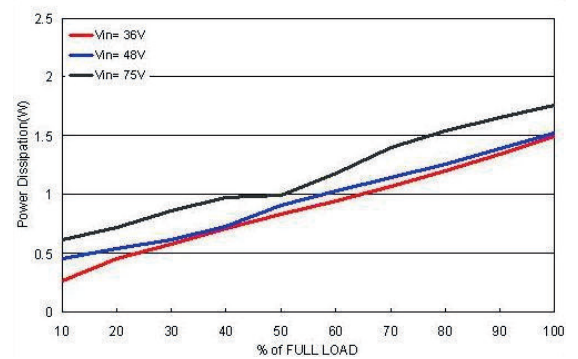### Remote on/off Voltage Start-Up Characteristic
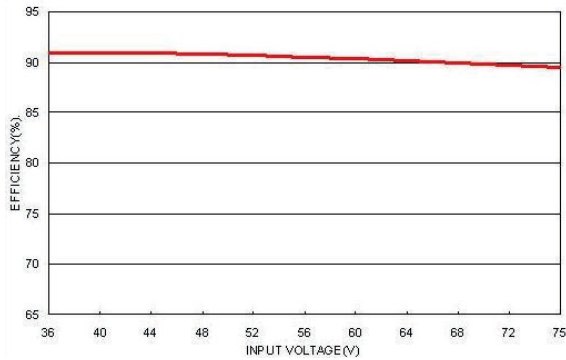
THD 15-4813N

Efficiency vs Output Load

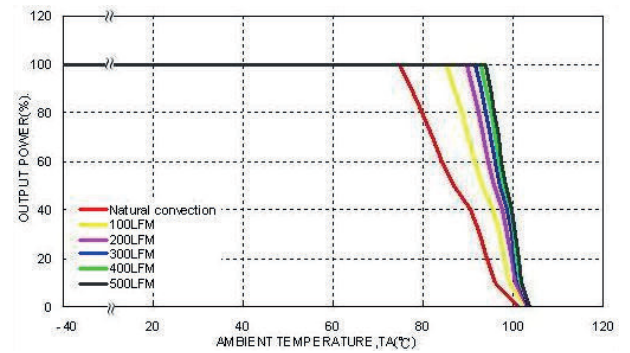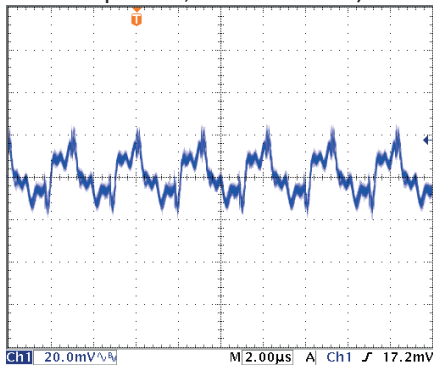

Power Dissipation vs Output Load
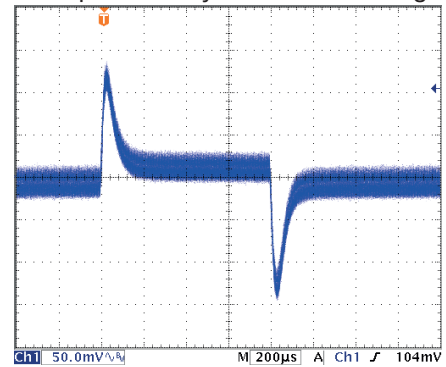

Efficiency vs Input Voltage

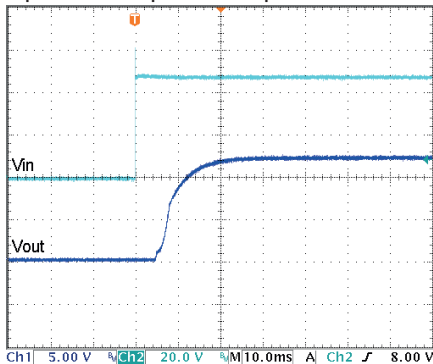Derating Output Load versus Ambient Temperature

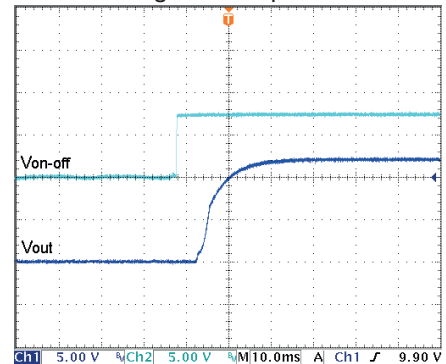Typical Output Ripple and Noise
(with external capacitor; see datasheet)

Transient Response to Dynamic Load Change (25%)

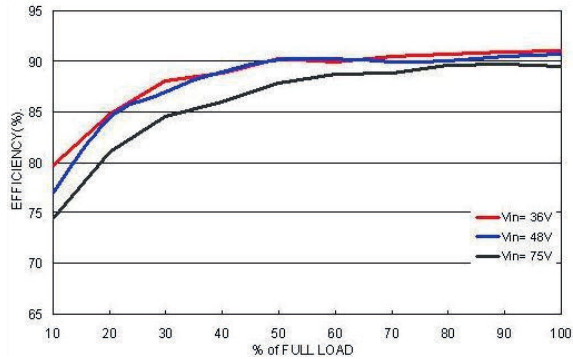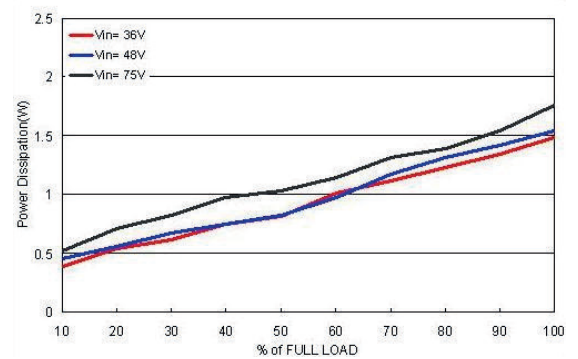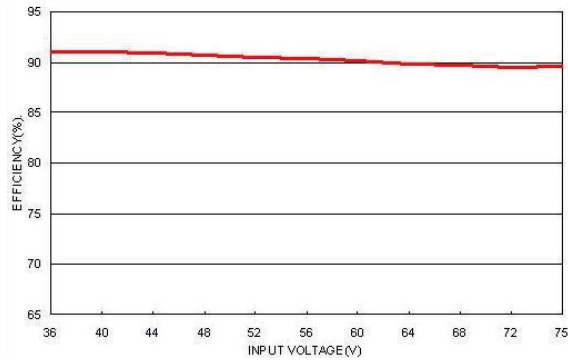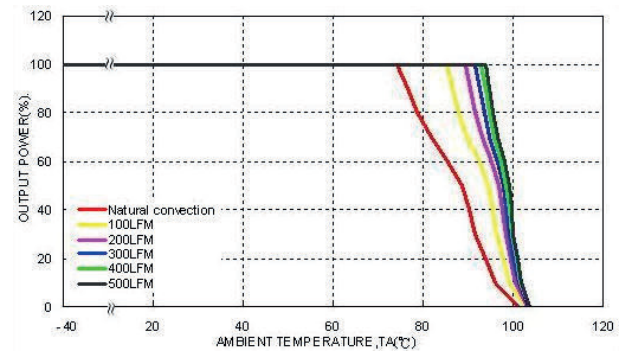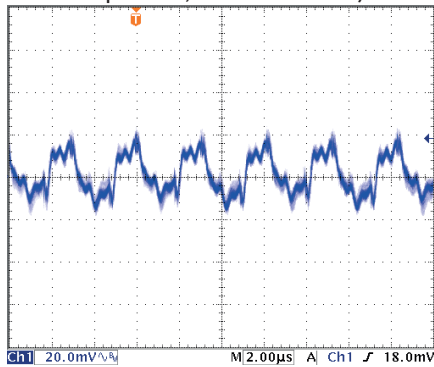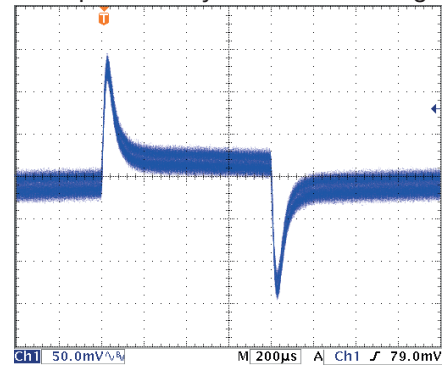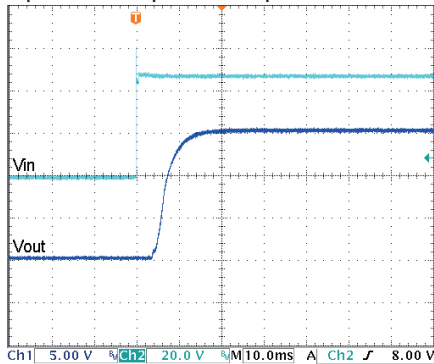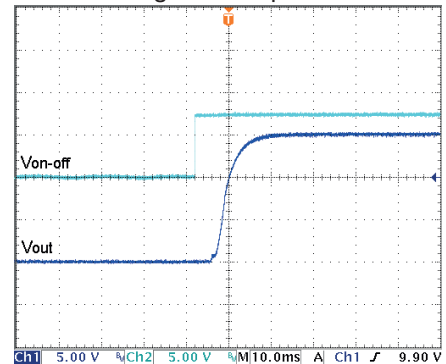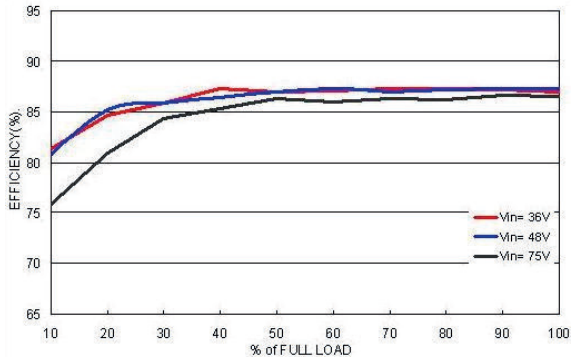Typical Input Start-Up and Output Rise Characteristic

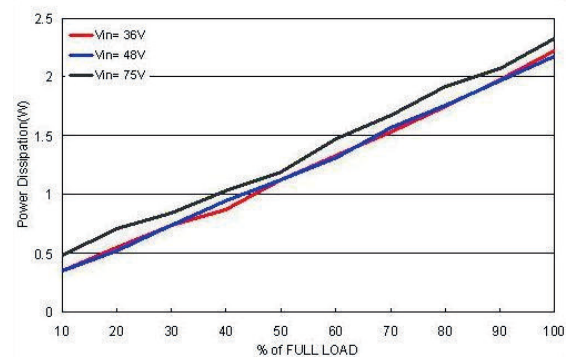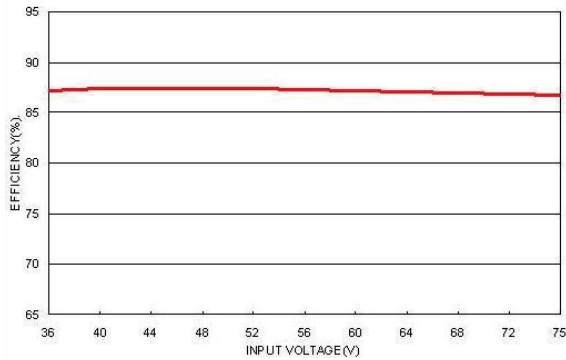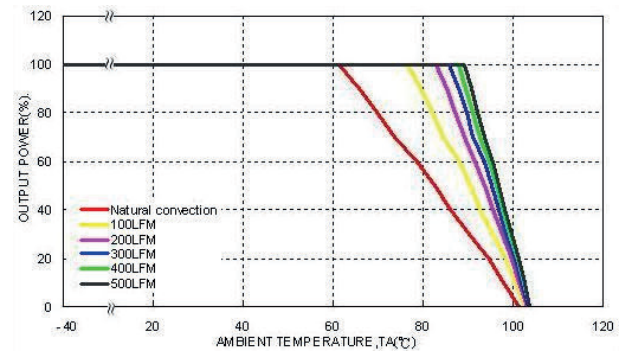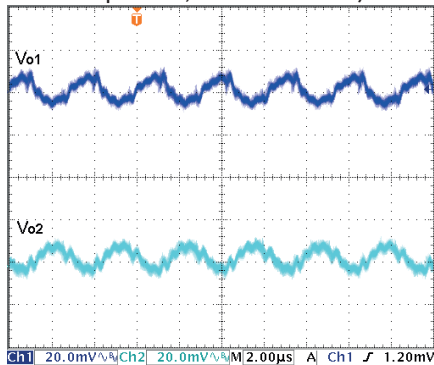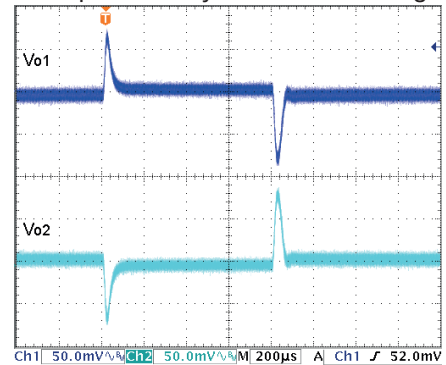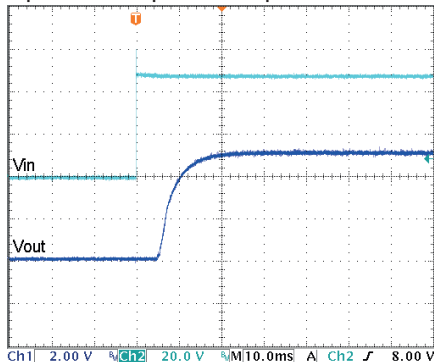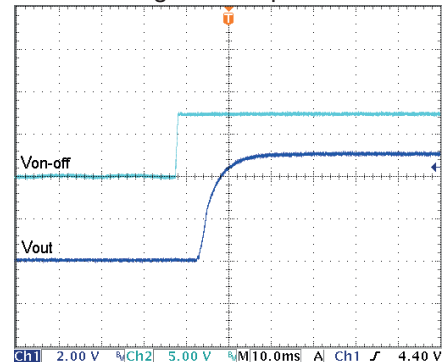Remote on/off Voltage Start-Up Characteristic

TRACO POWER

THD 15-4821N

Efficiency vs Output Load

Power Dissipation vs Output Load

Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature

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**

THD 15-4822N

Efficiency vs Output Load

Power Dissipation vs Output Load

Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature

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

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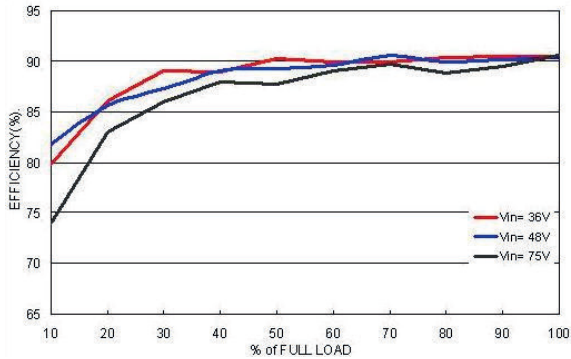
Typical Input Start-Up and Output Rise Characteristic

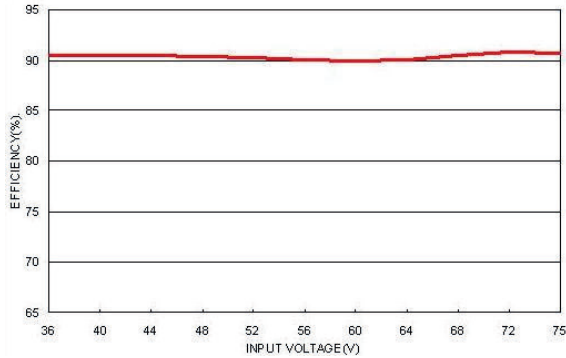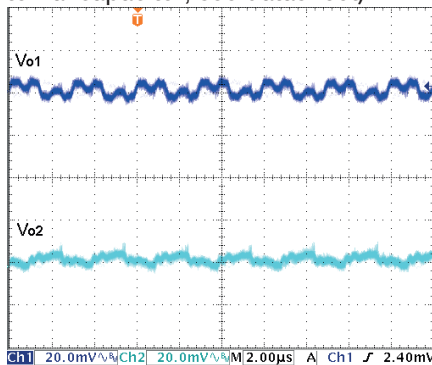### Remote on/off Voltage Start-Up Characteristic

TRACO POWER

THD 15-4823N

Efficiency vs Output Load

Power Dissipation vs Output Load

Efficiency vs Input Voltage

Derating Output Load versus Ambient Temperature

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

Transient Response to Dynamic Load Change (25%)
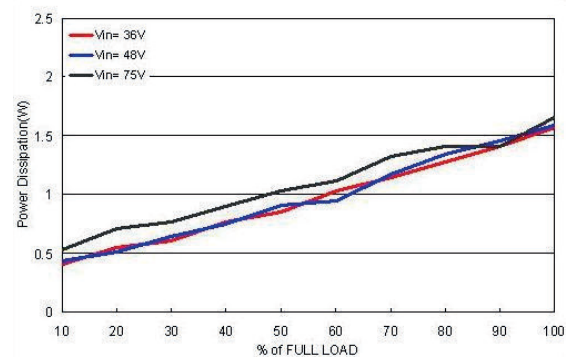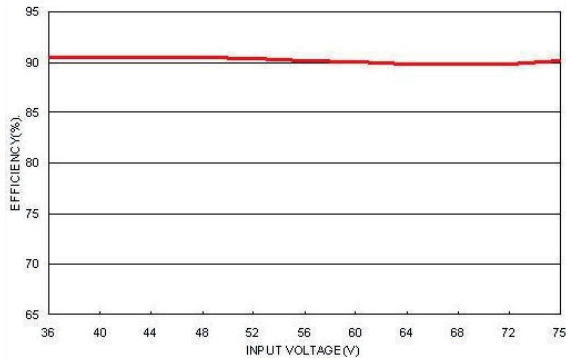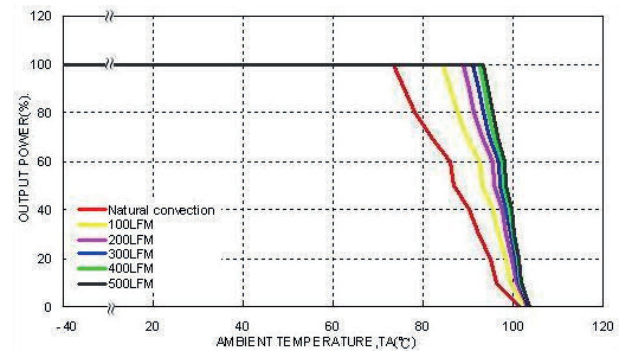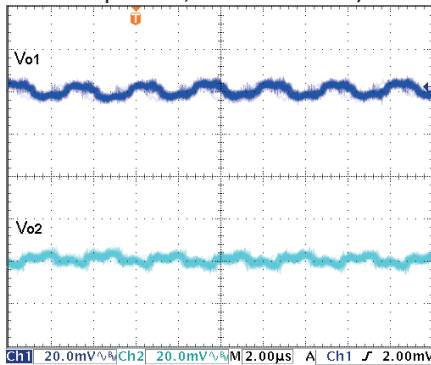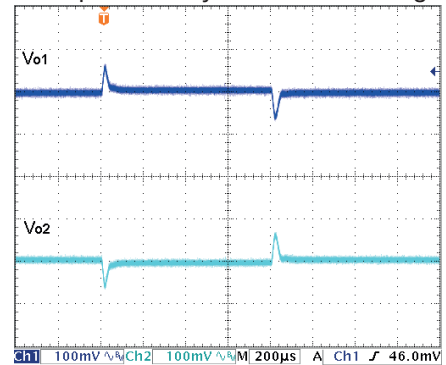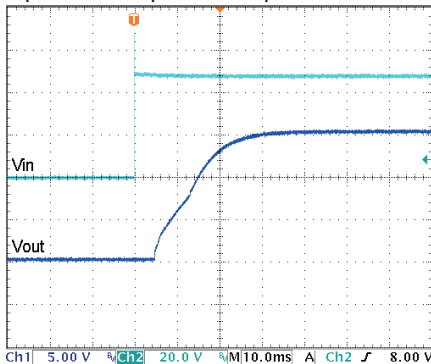

Typical Input Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic

Specifications can be changed without notice!

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