TRACO POWER
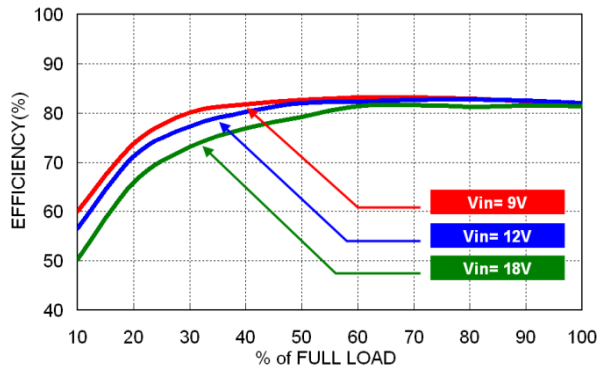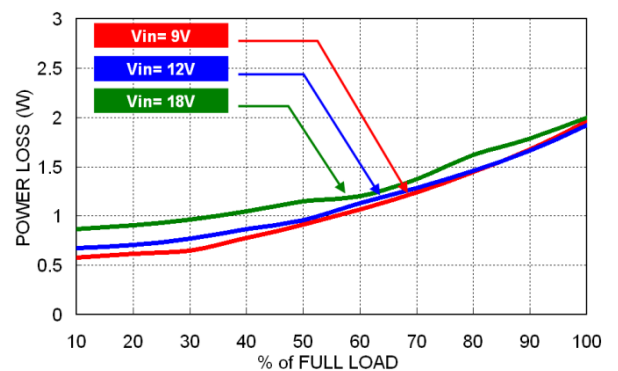
Characteristic Curves

THD 12-1209
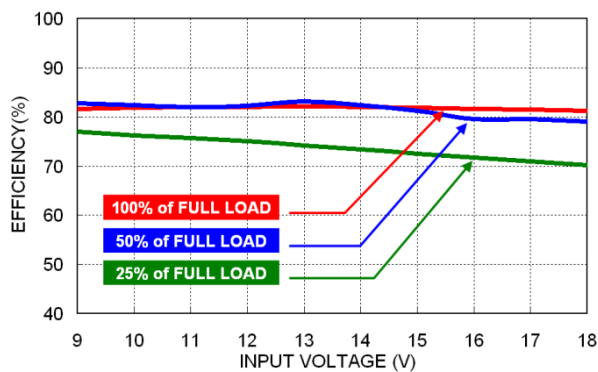
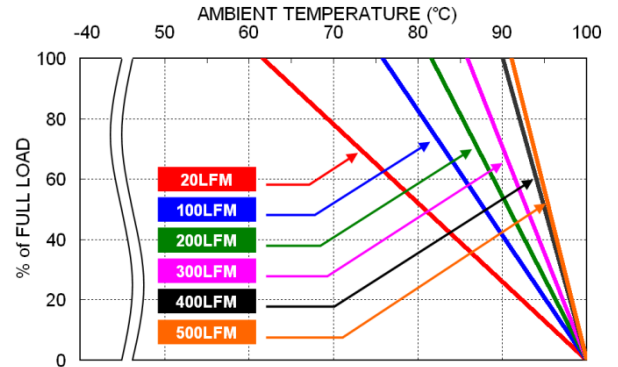Efficiency versus Output Load

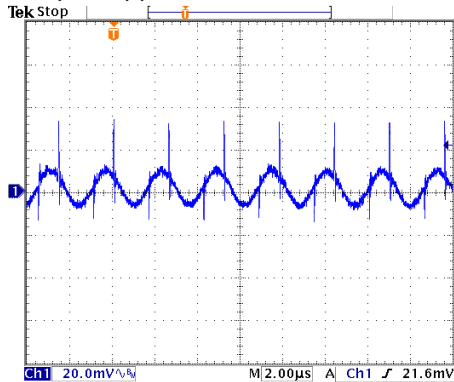Power Dissipation versus Output Load
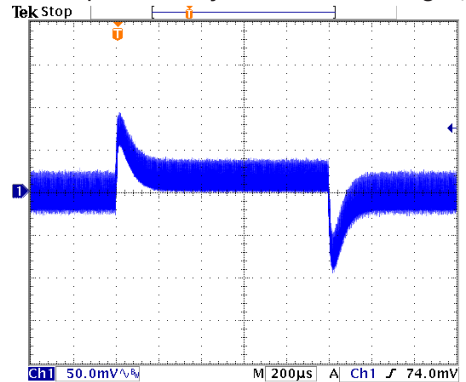

Efficiency versus Input Voltage

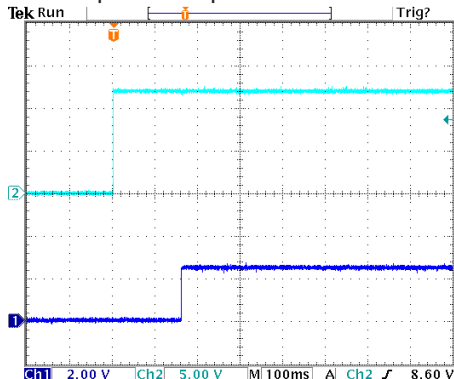Derating Output Load versus Ambient Temperature
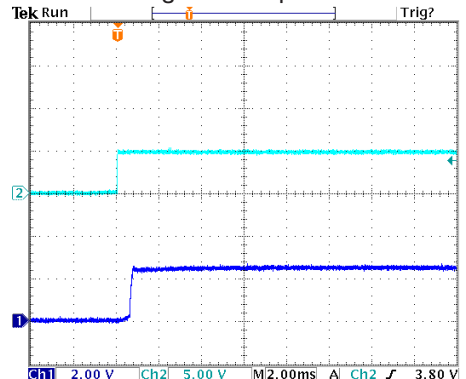

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)

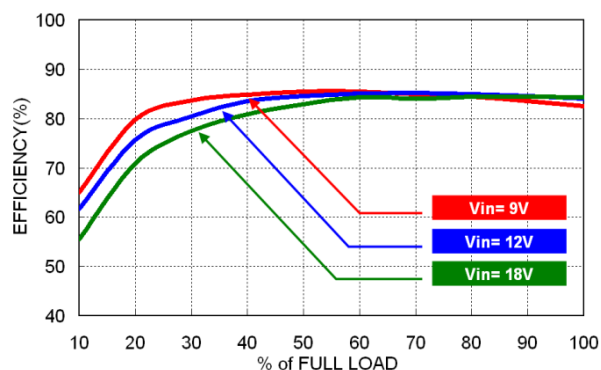
Typical Start-Up and Output Rise Characteristic

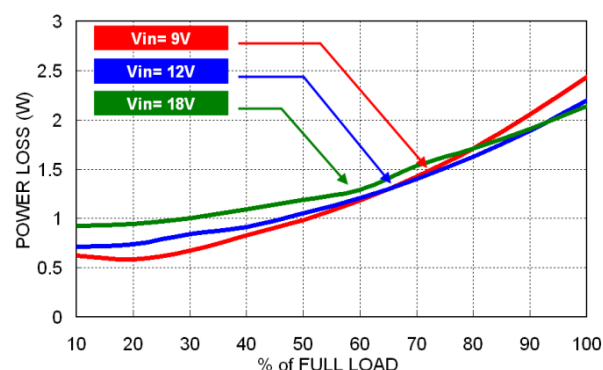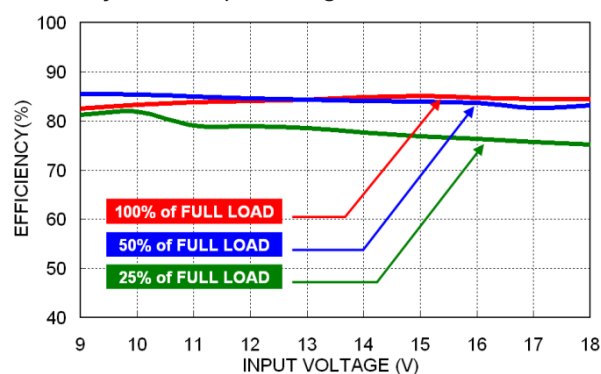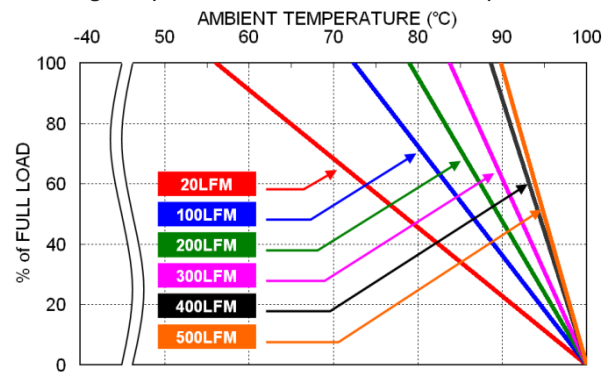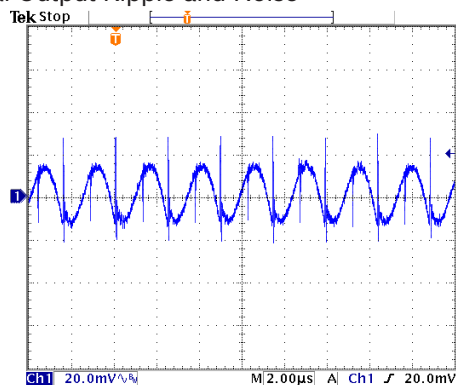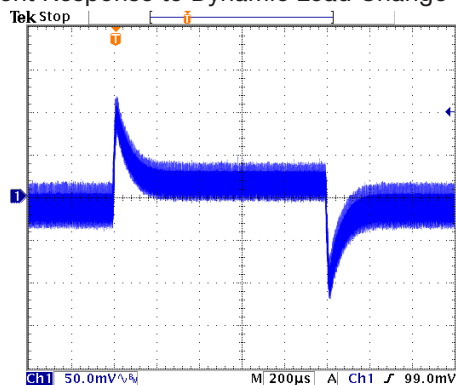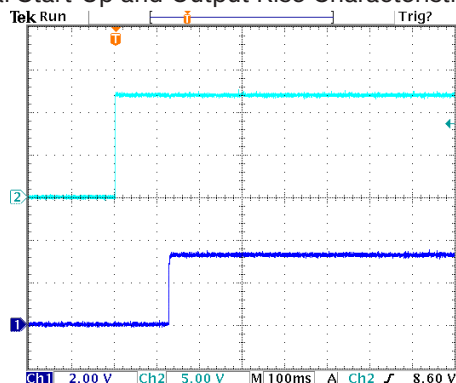Remote on/off Voltage Start-Up Characteristic

![TRACO POWER logo]

THD 12-1210

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature
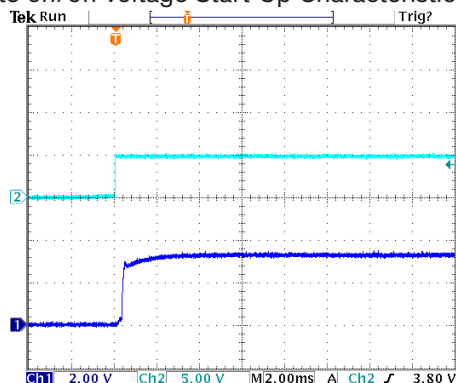

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic

TRACO POWER

THD 12-1211

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)
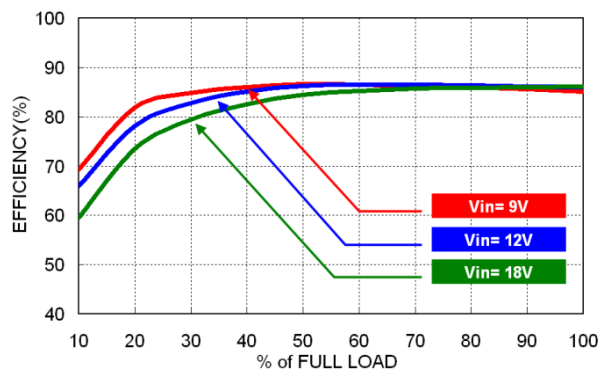

Typical Start-Up and Output Rise Characteristic
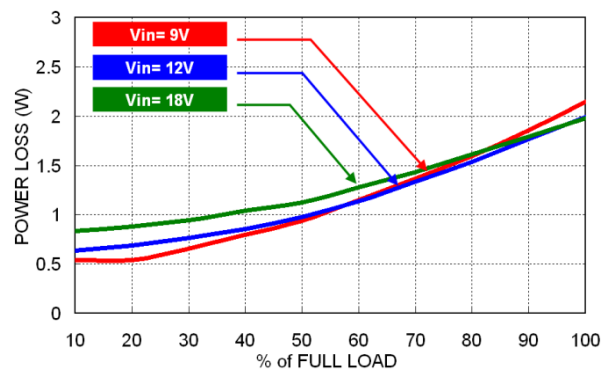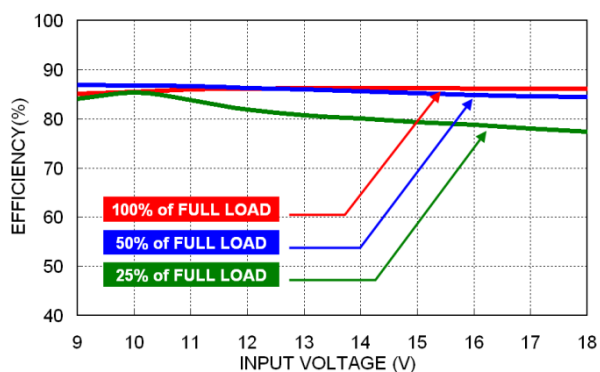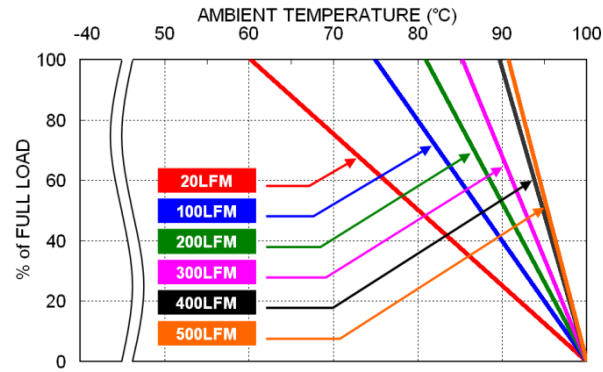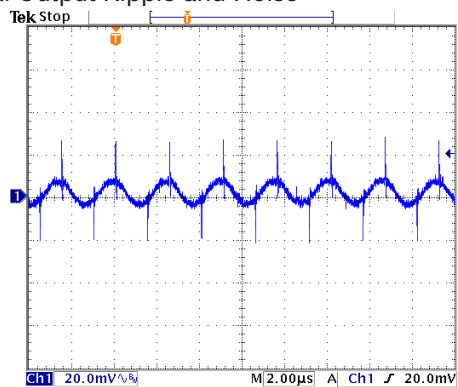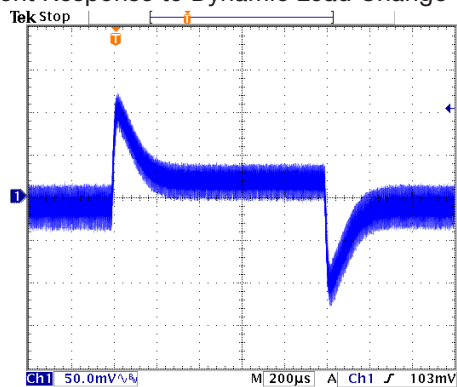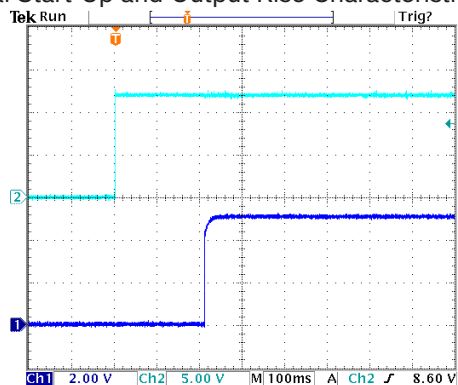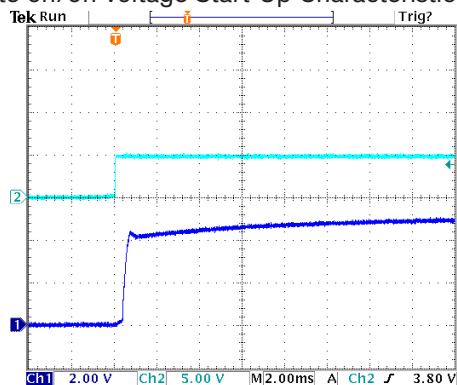

Remote on/off Voltage Start-Up Characteristic

TRACO POWER

THD 12-1212

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)
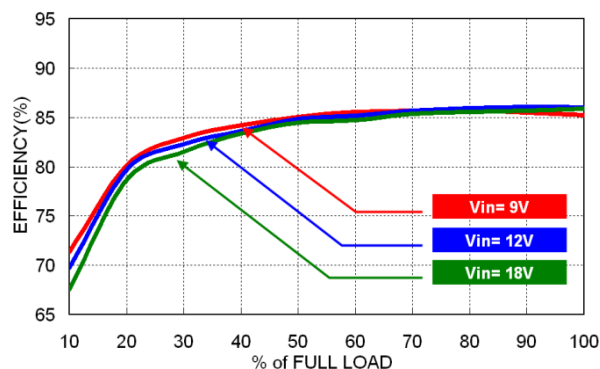

Typical Start-Up and Output Rise Characteristic

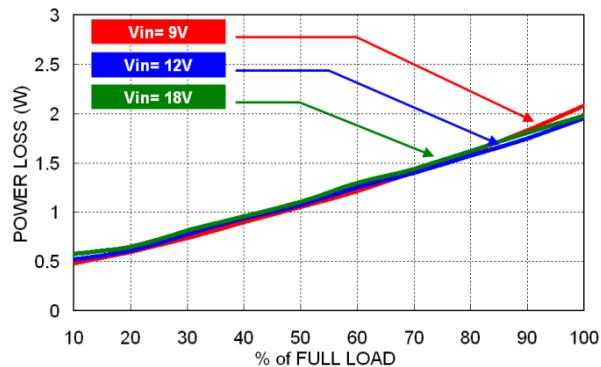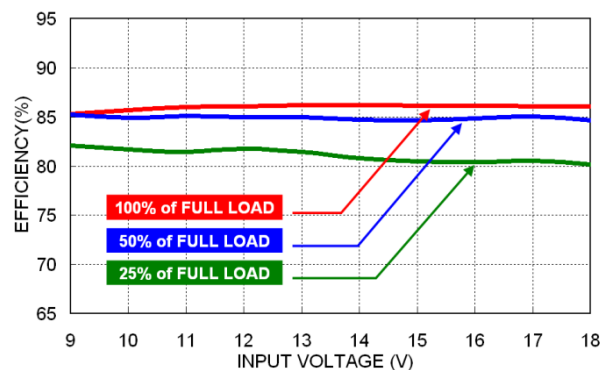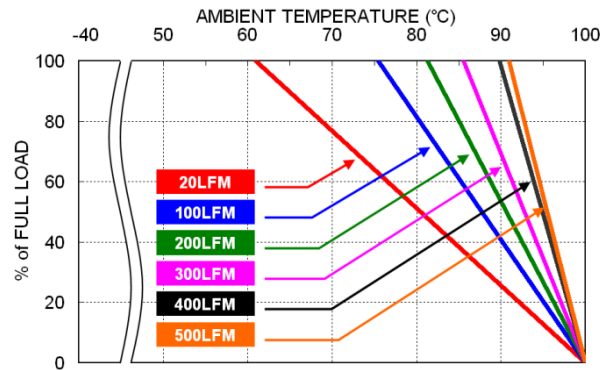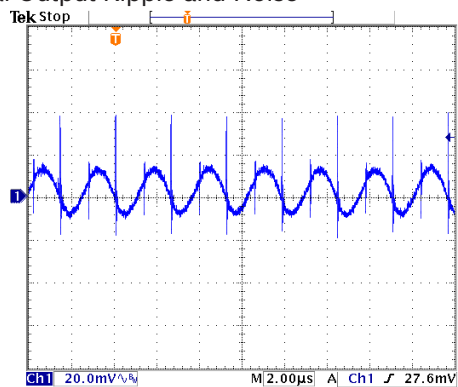#### Remote on/off Voltage Start-Up Characteristic

TRACO POWER

.

THD 12-1223

Efficiency versus Output Load

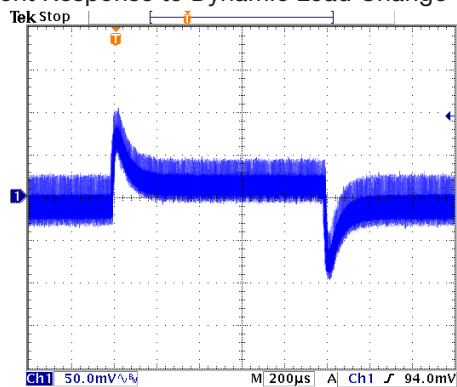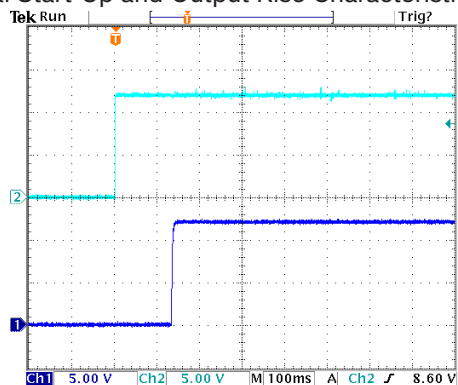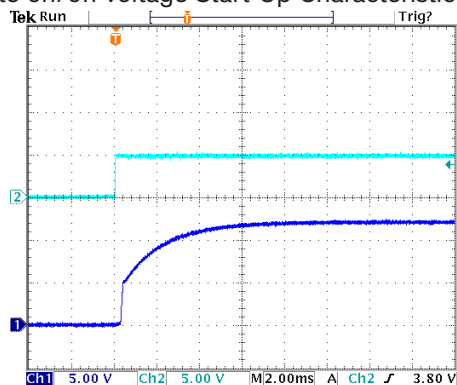### Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)
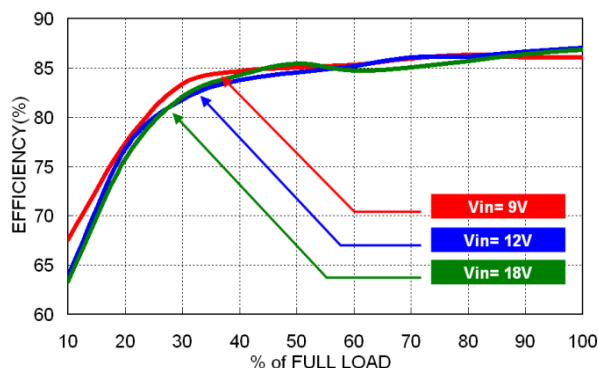

Typical Start-Up and Output Rise Characteristic

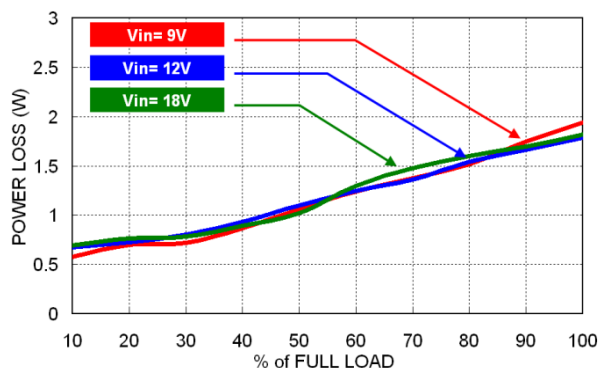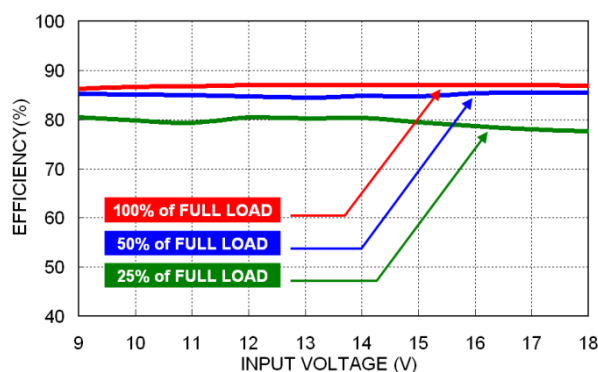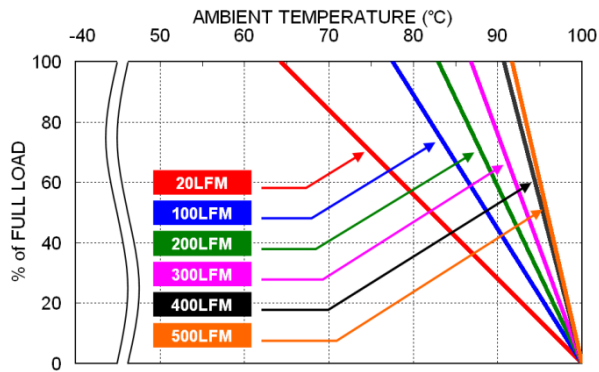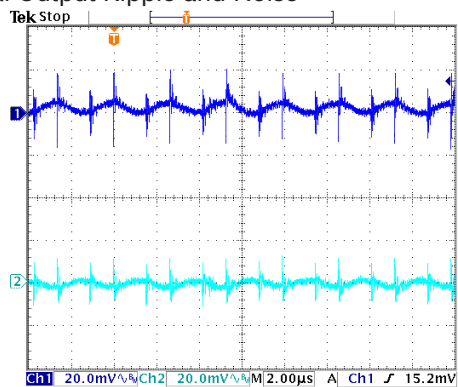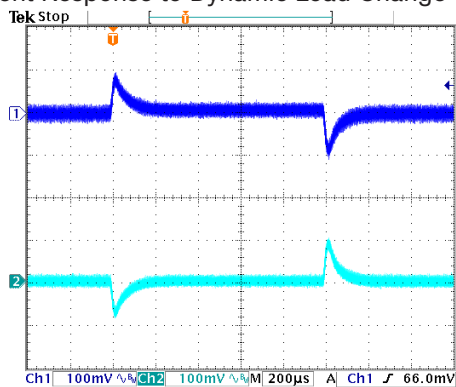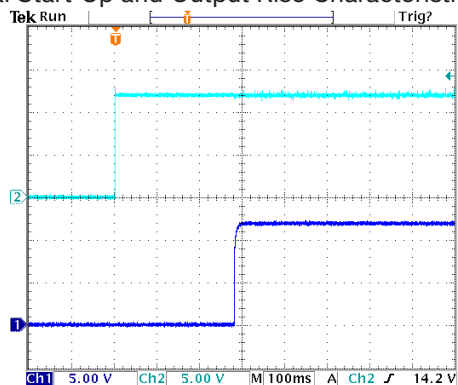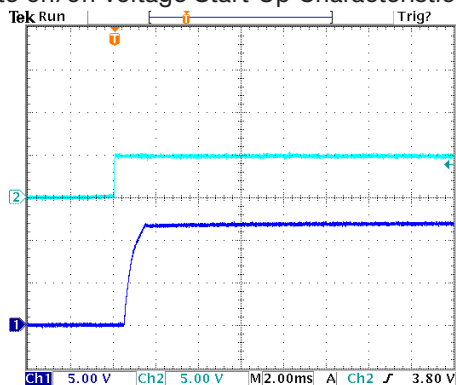### Remote on/off Voltage Start-Up Characteristic

TRACO POWER

THD 12-2409

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)
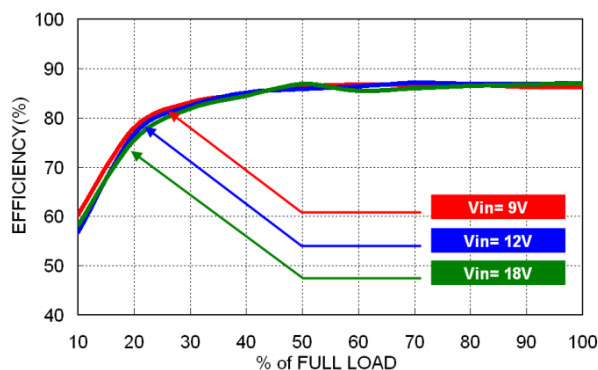

Typical Start-Up and Output Rise Characteristic
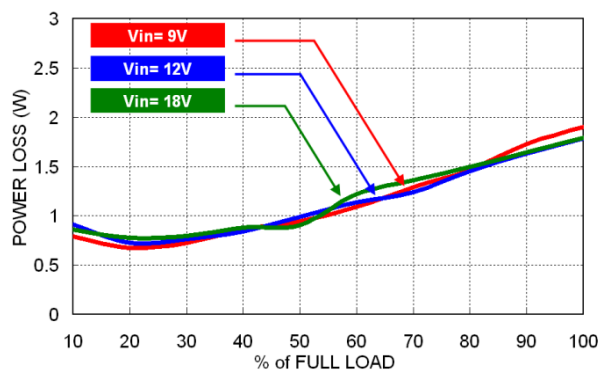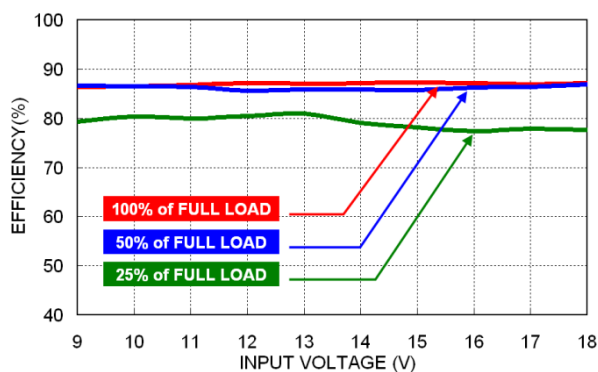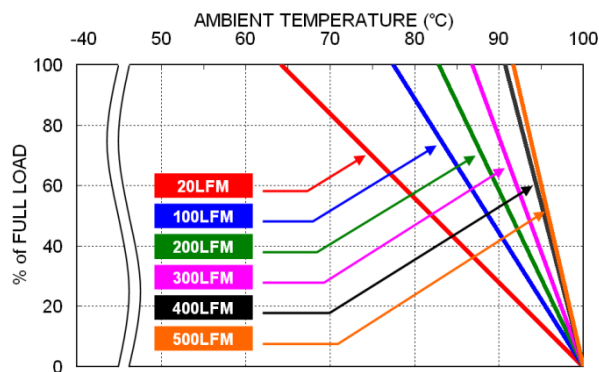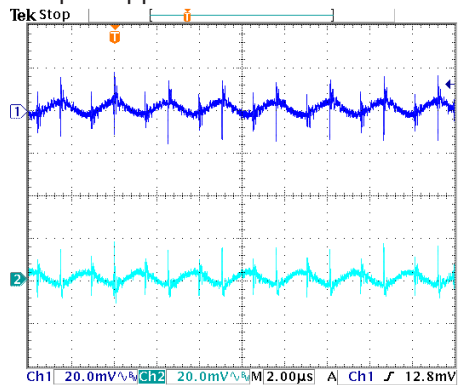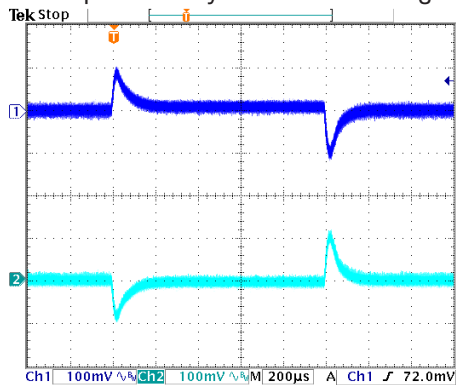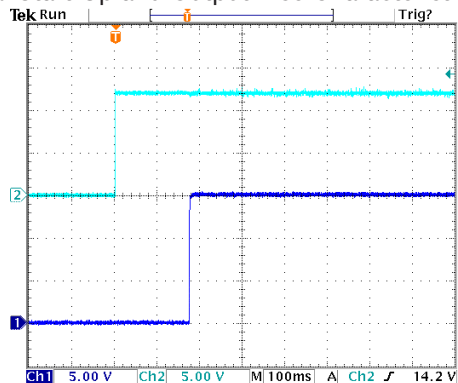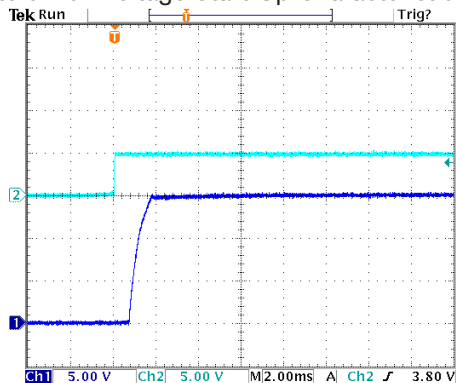

Remote on/off Voltage Start-Up Characteristic

TRACO POWER

THD 12-2410

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic

TRACO POWER

THD 12-2411

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)

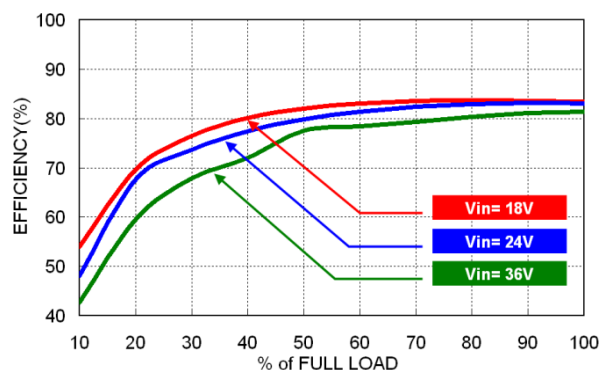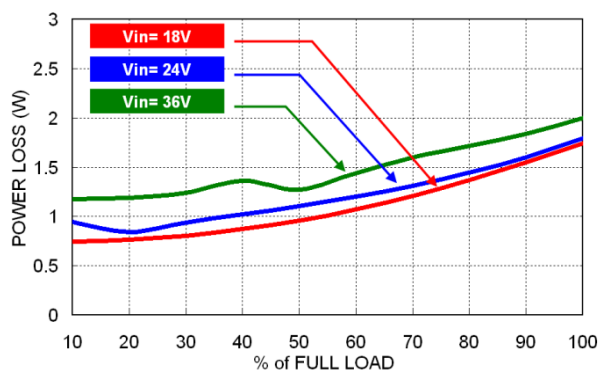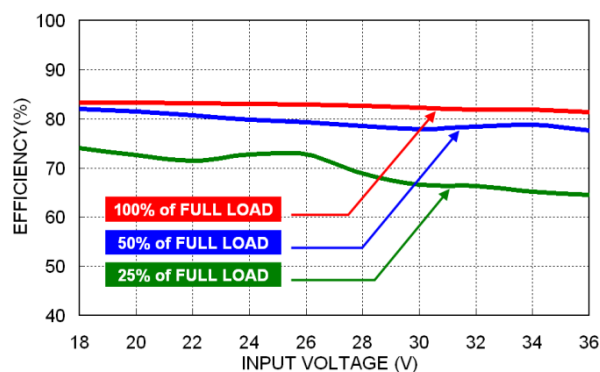### Typical Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic
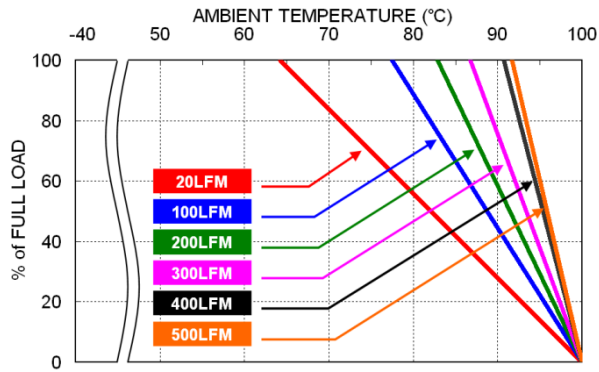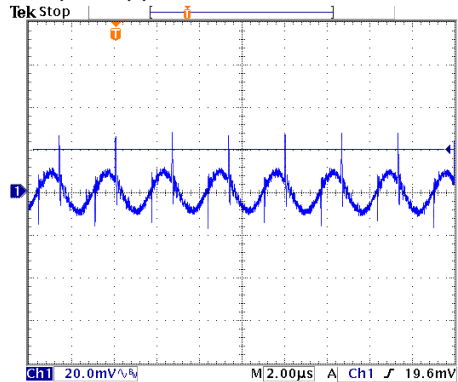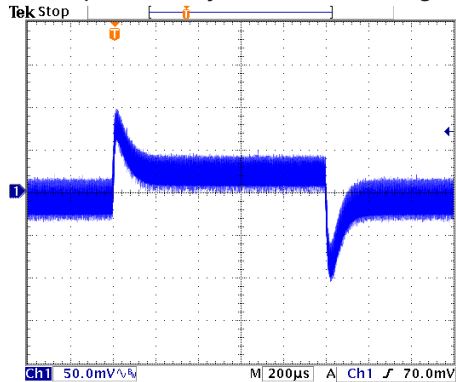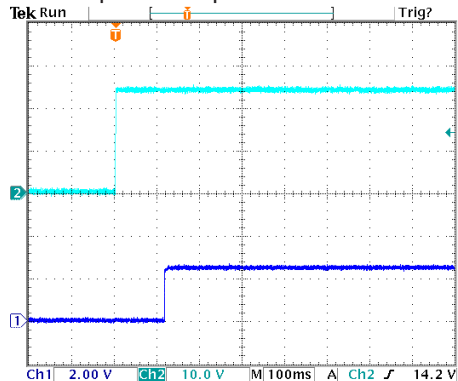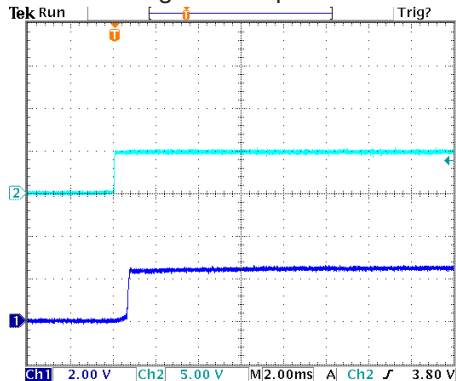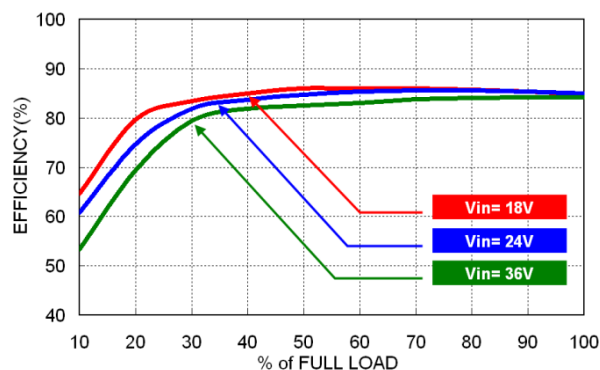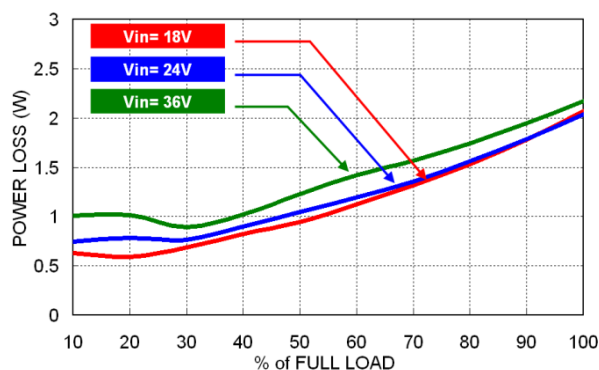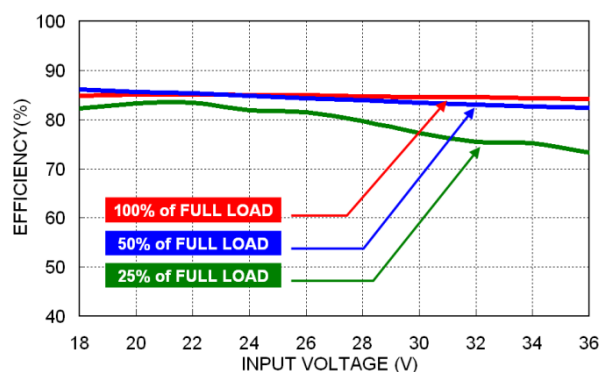
THD 12-2412
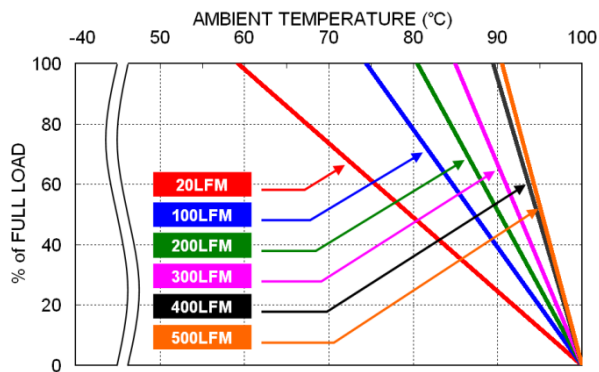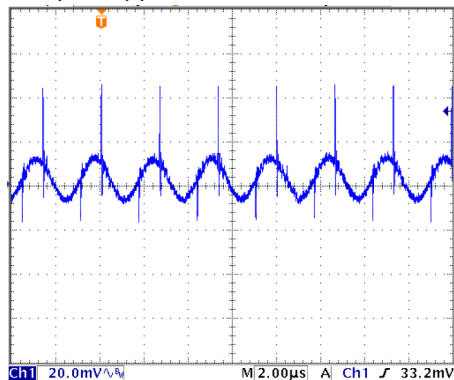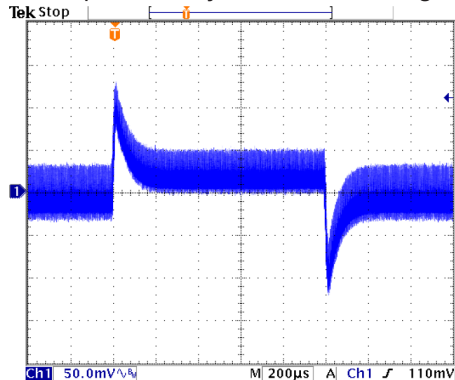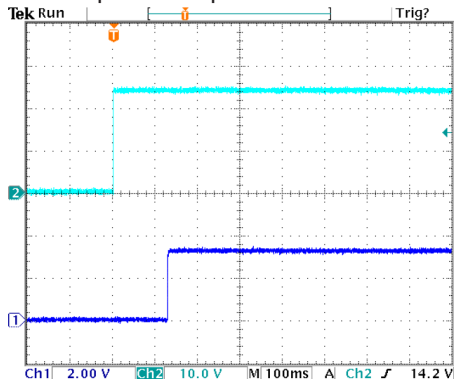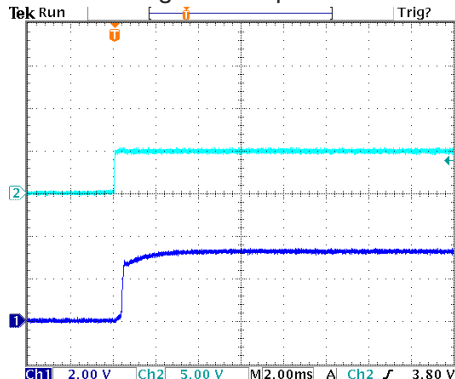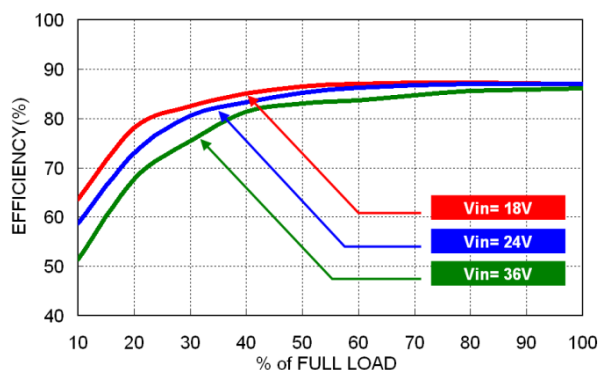
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic

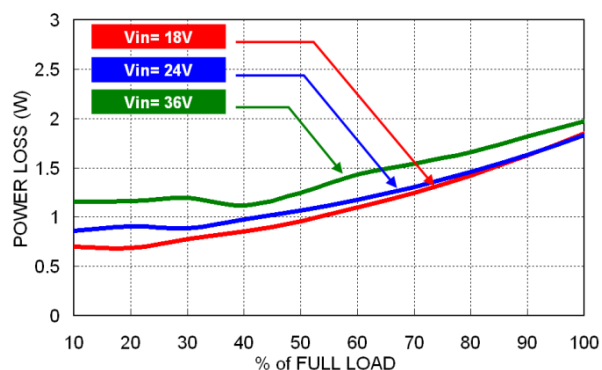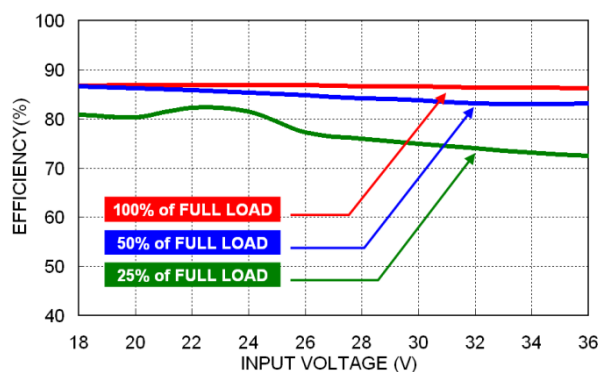### Remote on/off Voltage Start-Up Characteristic
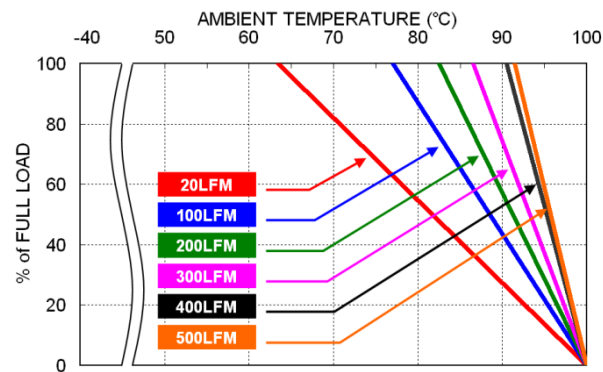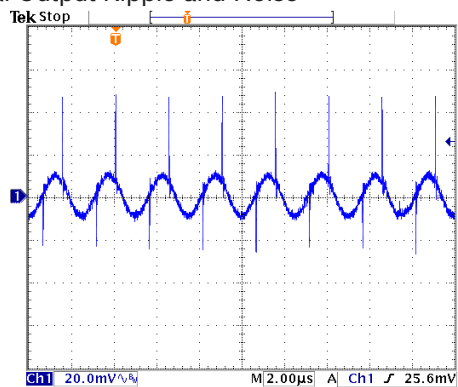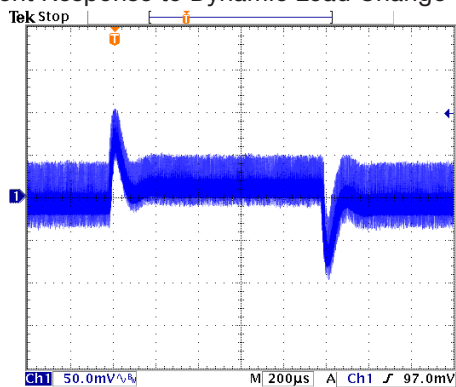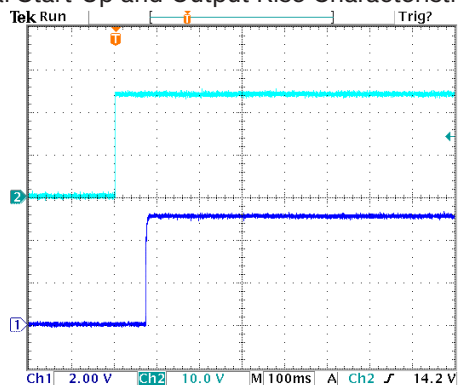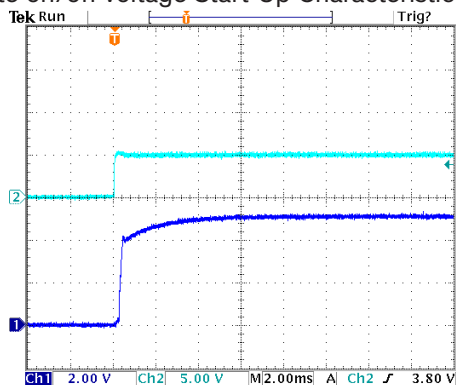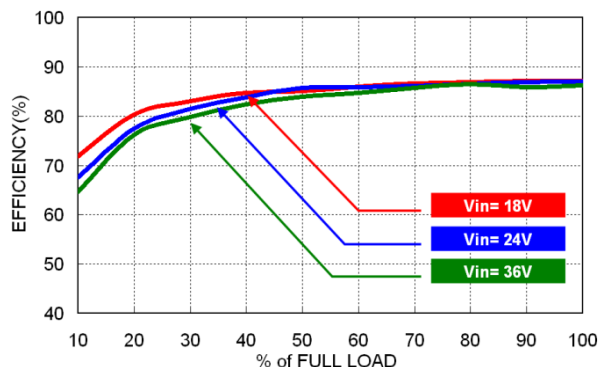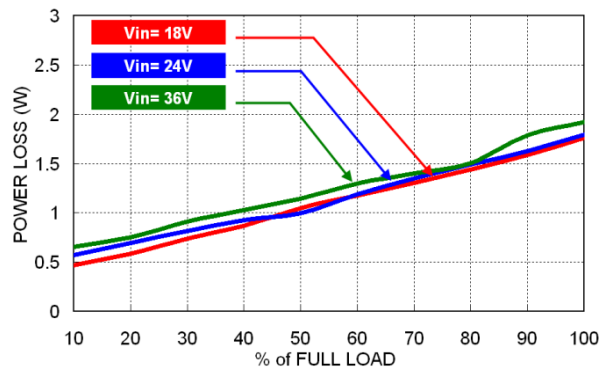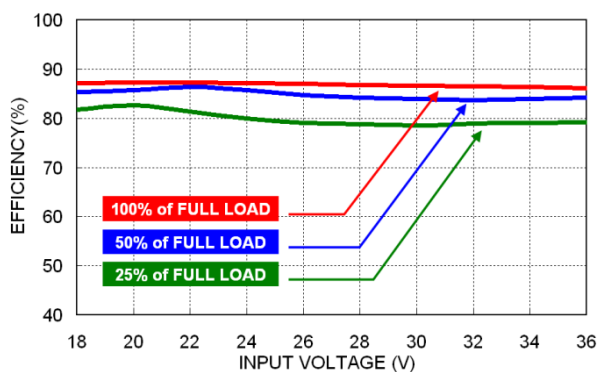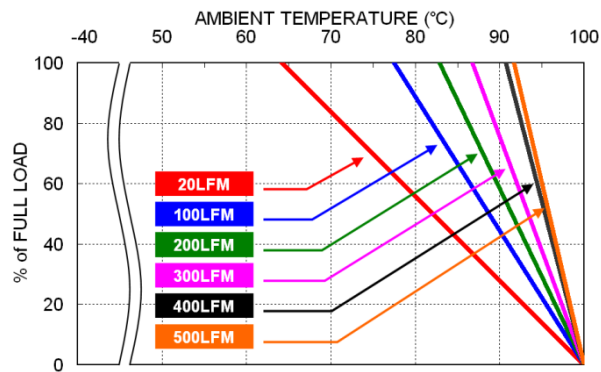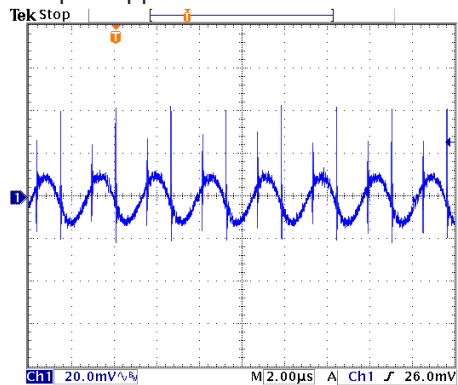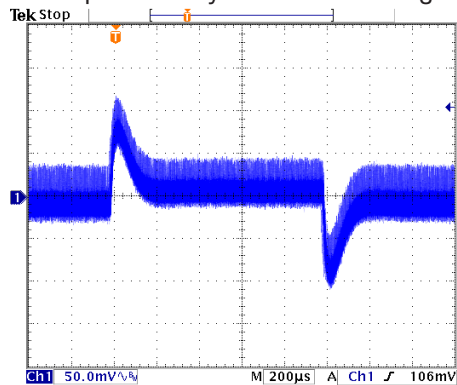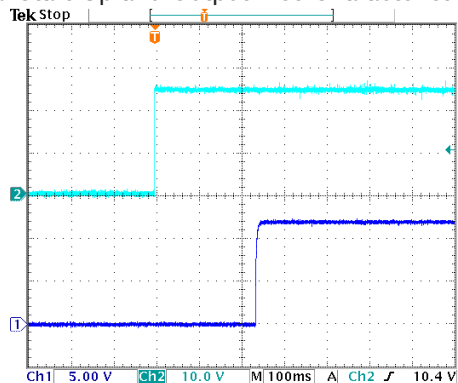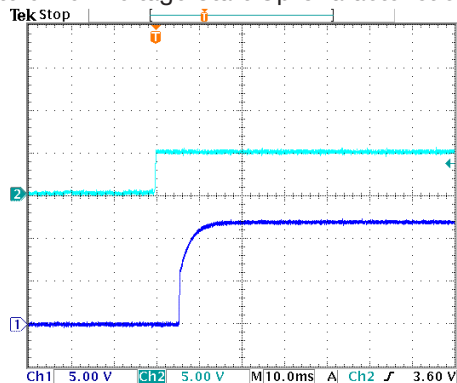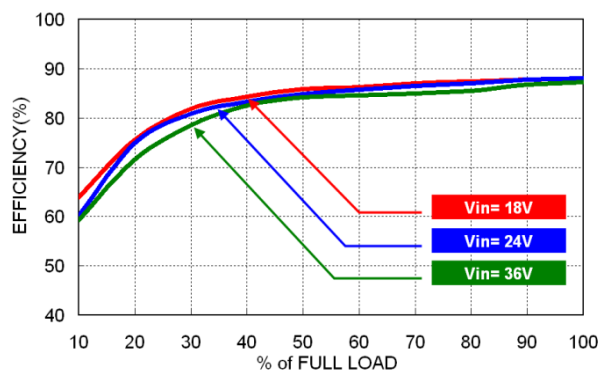
THD 12-2422

Efficiency versus Output Load

EFFICIENCY (%)

% of FULL LOAD

Vin= 18V
Vin= 24V
Vin= 36V

Power Dissipation versus Output Load

POWER LOSS (W)

% of FULL LOAD

Vin= 18V
Vin= 24V
Vin= 36V

Efficiency versus Input Voltage

EFFICIENCY (%)

INPUT VOLTAGE (V)

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

Derating Output Load versus Ambient Temperature

AMBIENT TEMPERATURE (°C)

% of FULL LOAD

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

Typical Output Ripple and Noise

Tek Stop

Ch1 20.0mV Ch2 20.0mV M 2.00µs A Ch1 ∫ 16.8mV

Transient Response to Dynamic Load Change (25%)

Tek Stop

Ch1 100mV Ch2 100mV M 200µs A Ch1 ∫ 80.0mV

Typical Start-Up and Output Rise Characteristic

Tek Run   Trig?

Ch1 5.00 V Ch2 10.0 V M 100ms A Ch2 ∫ 14.2 V

Remote on/off Voltage Start-Up Characteristic

Tek Run   Trig?

Ch1 5.00 V Ch2 5.00 V M 2.00ms A Ch2 ∫ 3.80 V

TRACO POWER

THD 12-2423

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic

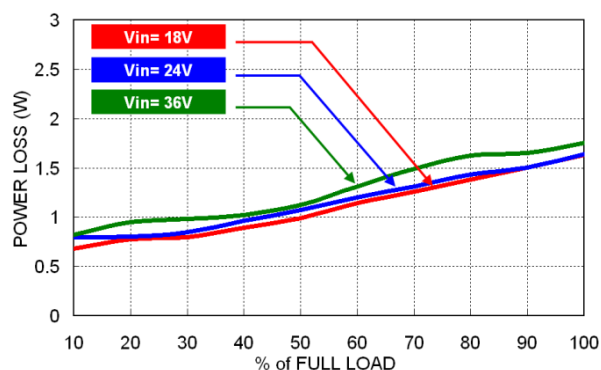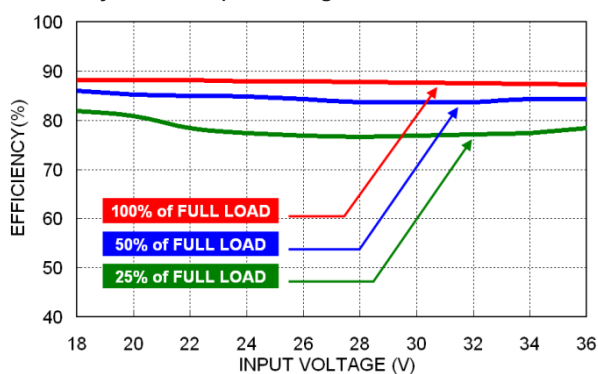### Remote on/off Voltage Start-Up Characteristic
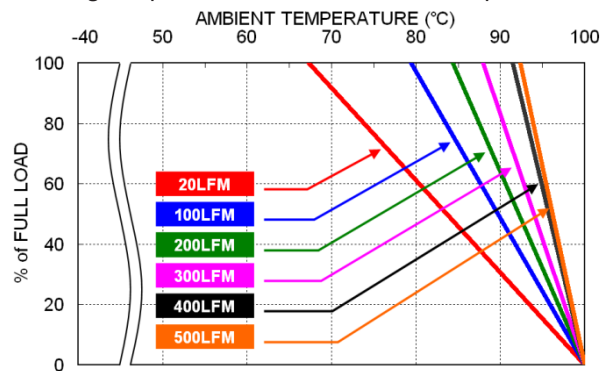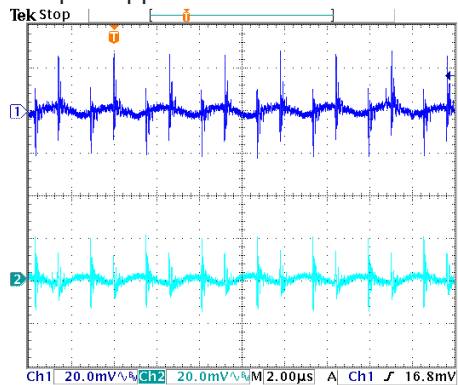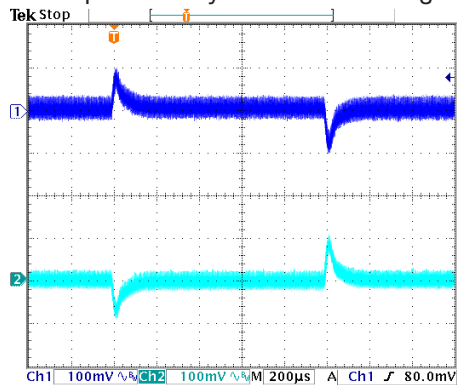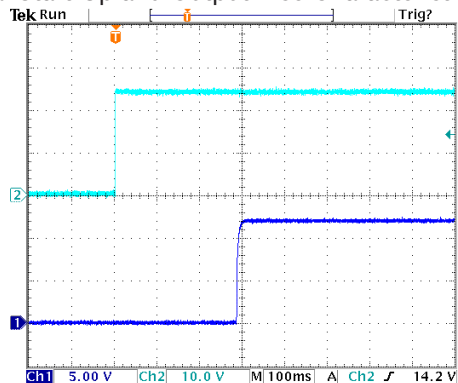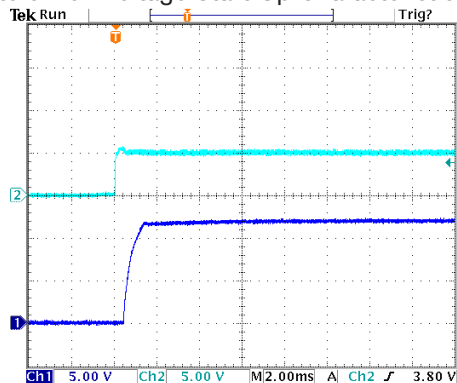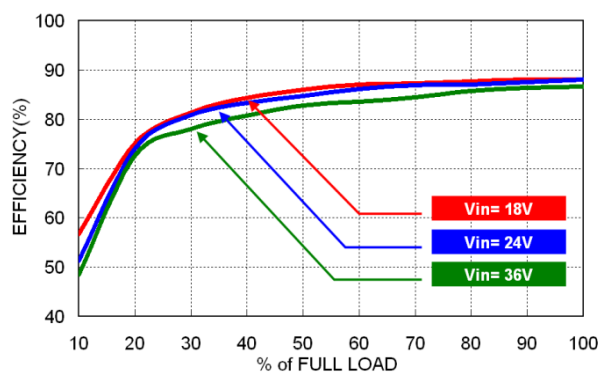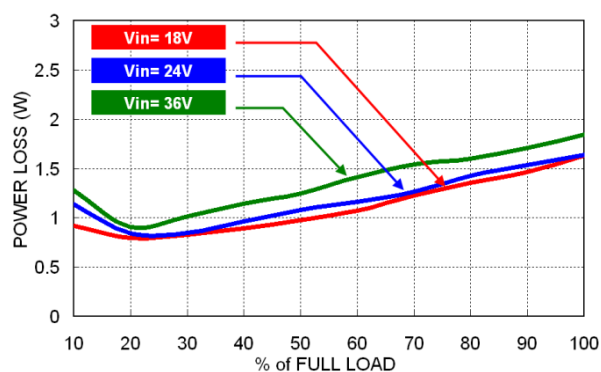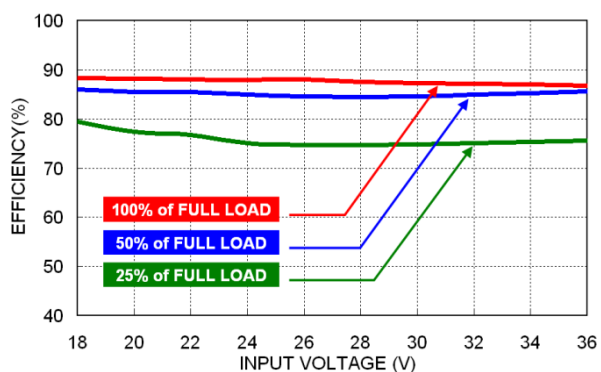
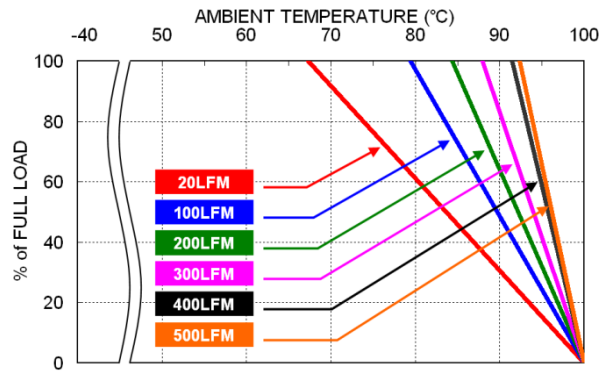### THD 12-4809

Efficiency versus Output Load

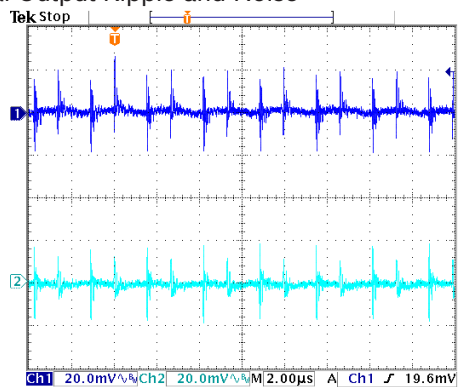Power Dissipation versus Output Load

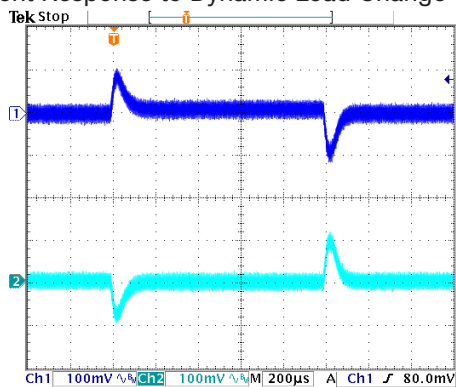Efficiency versus Input Voltage

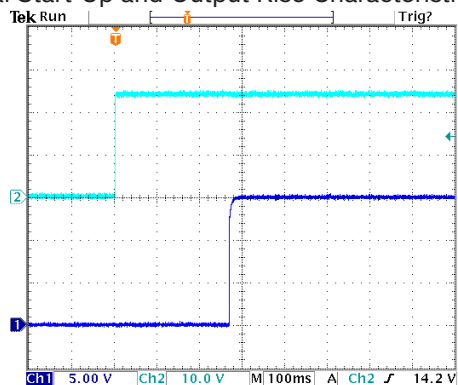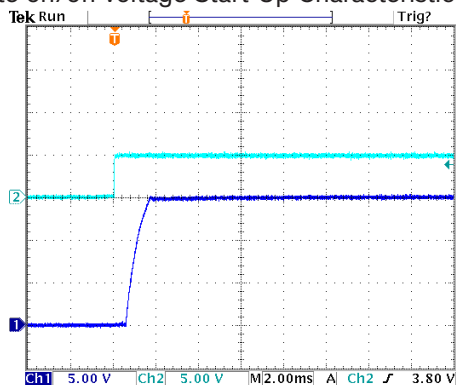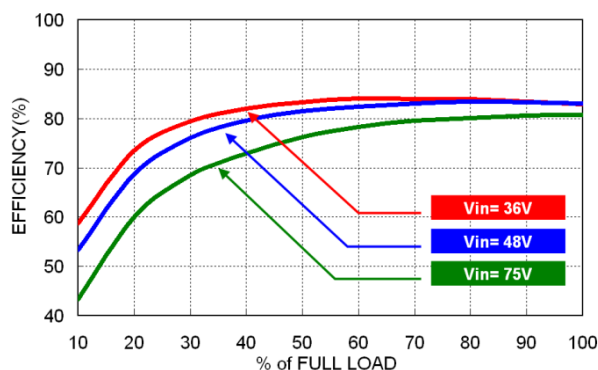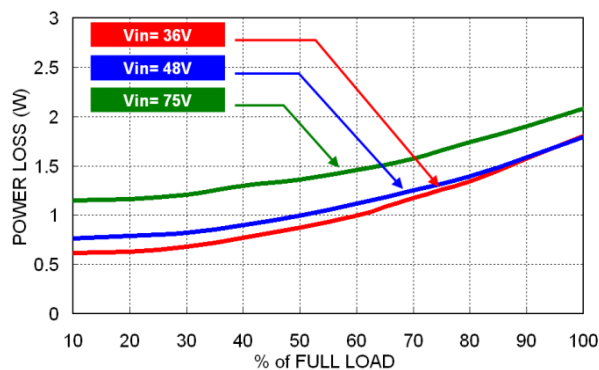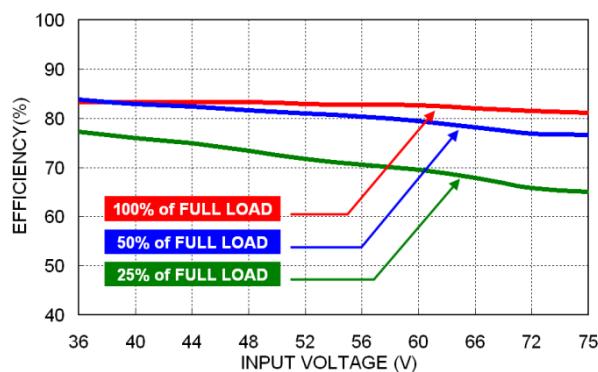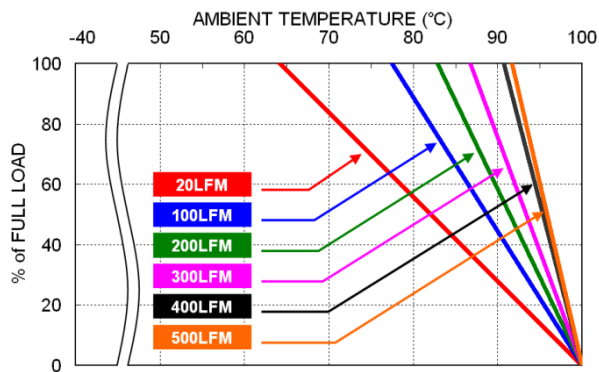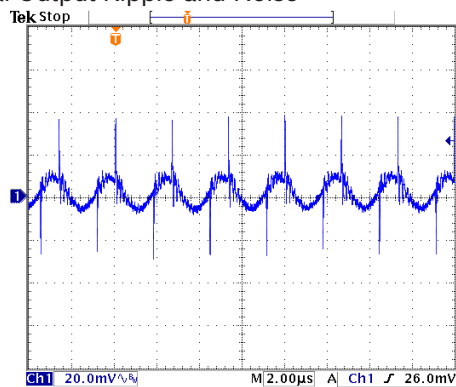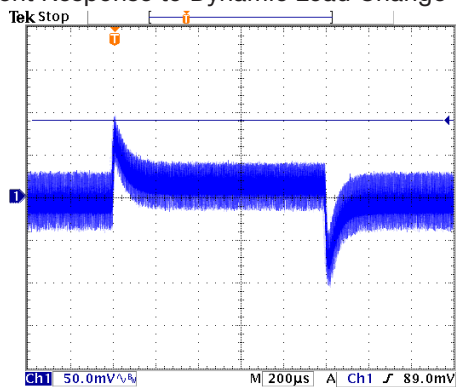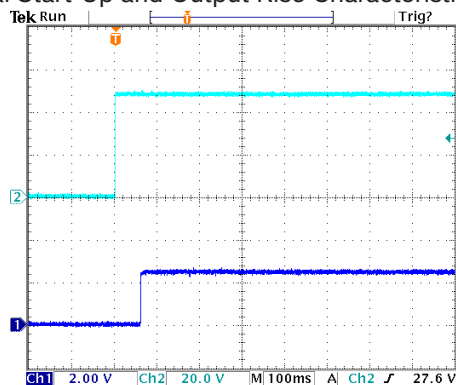Derating Output Load versus Ambient Temperature
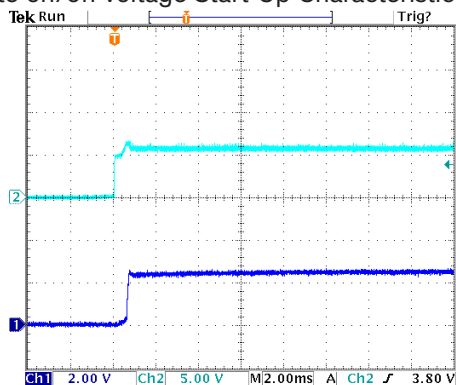

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)

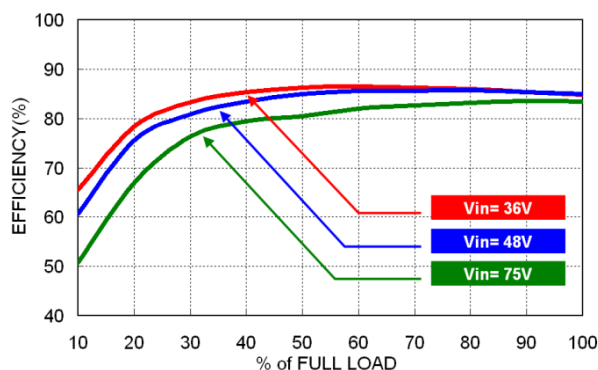
Typical Start-Up and Output Rise Characteristic

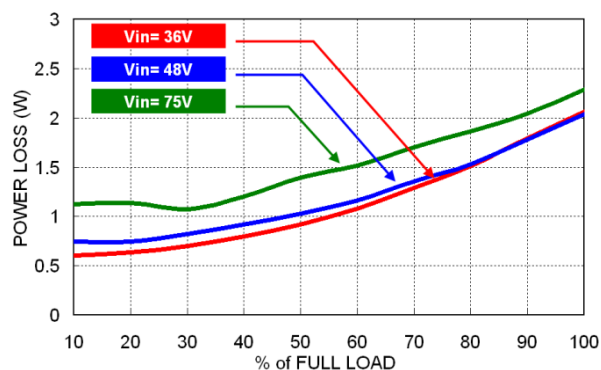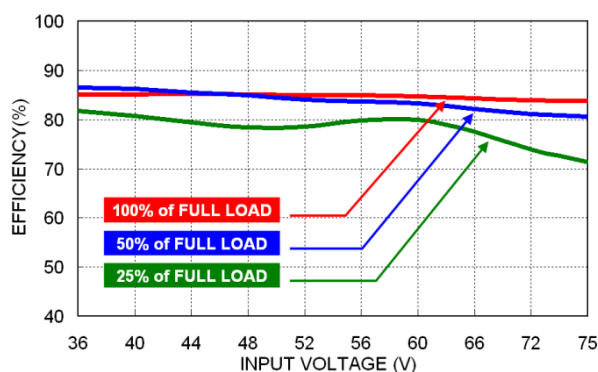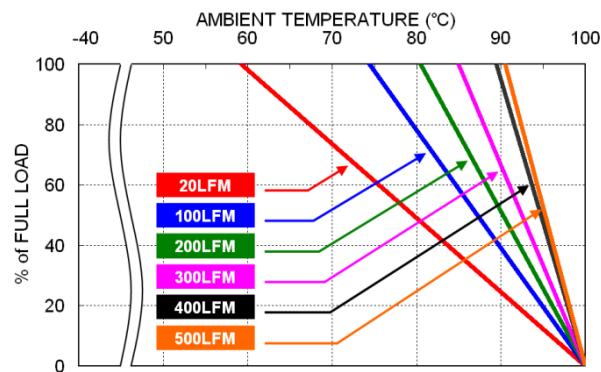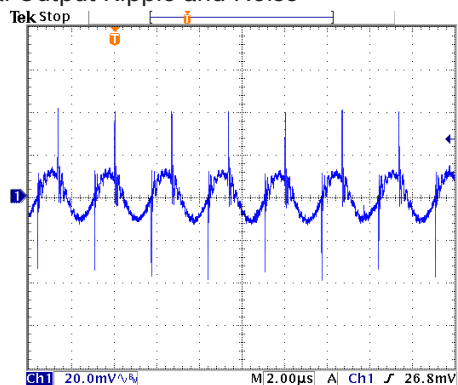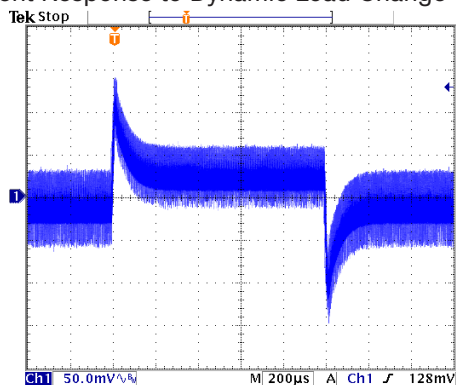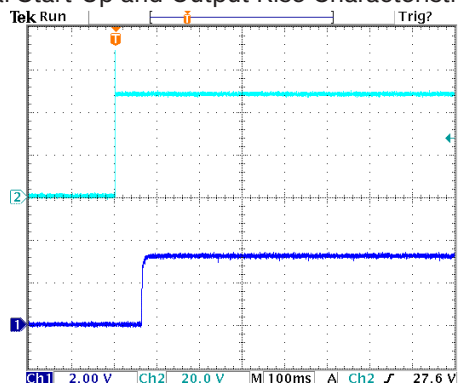Remote on/off Voltage Start-Up Characteristic

TRACO POWER

THD 12-4810

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature
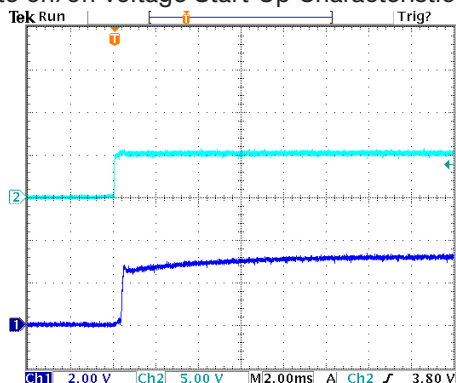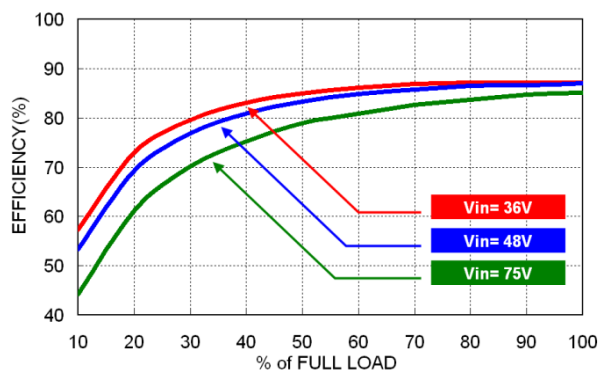

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic

Remote on/off Voltage Start-Up Characteristic

THD 12-4811

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic

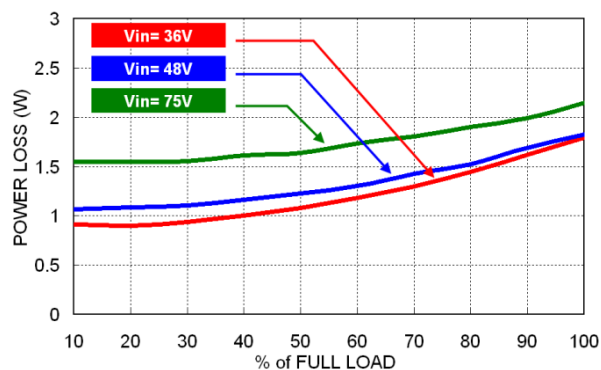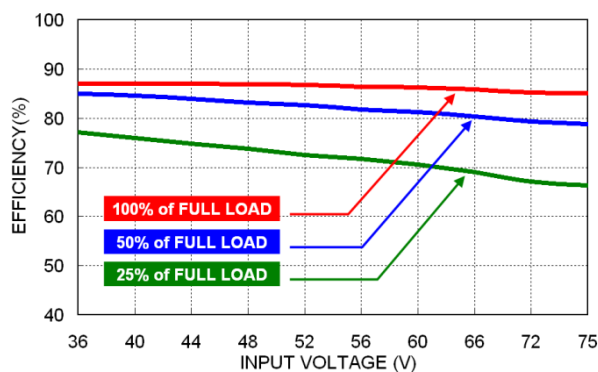### Remote on/off Voltage Start-Up Characteristic
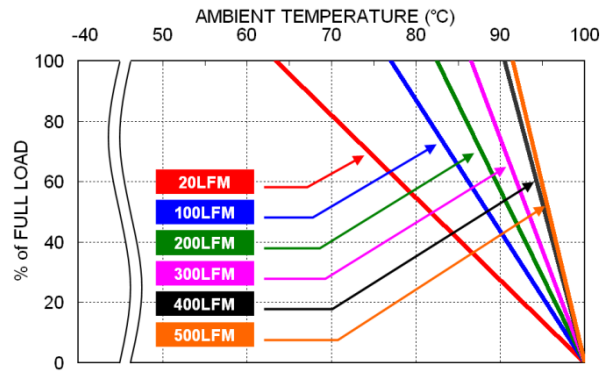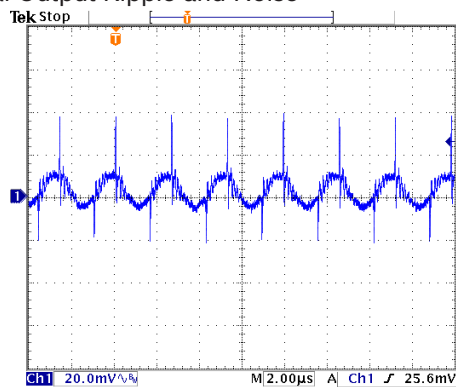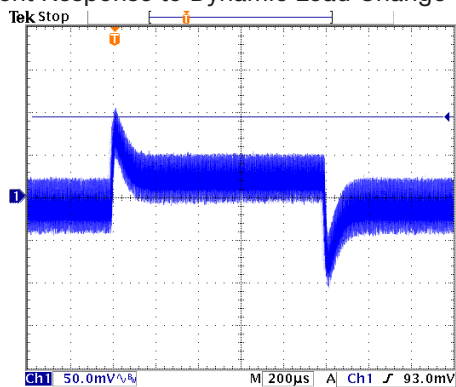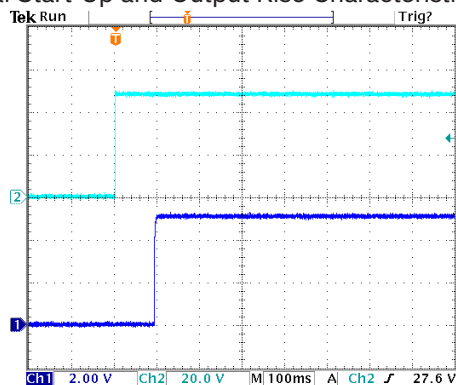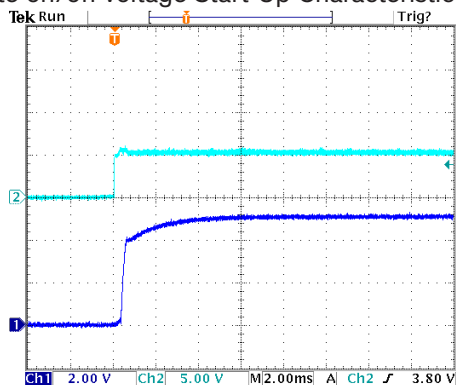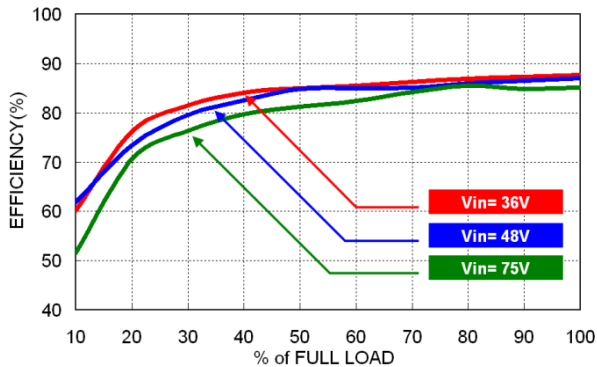
THD 12-4812

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic

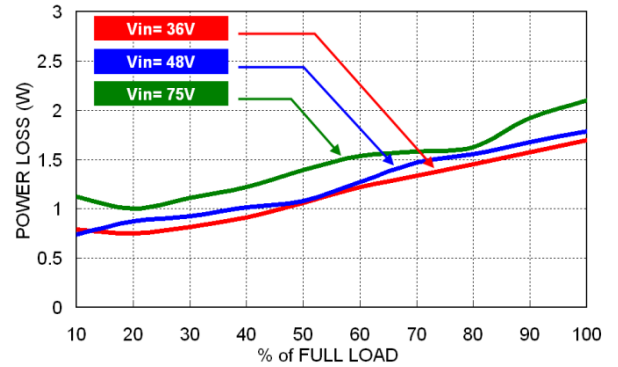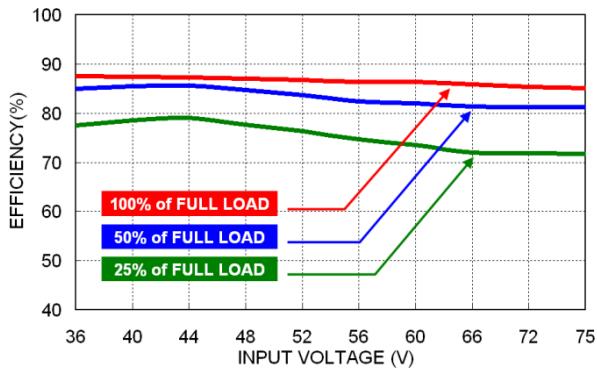### Remote on/off Voltage Start-Up Characteristic
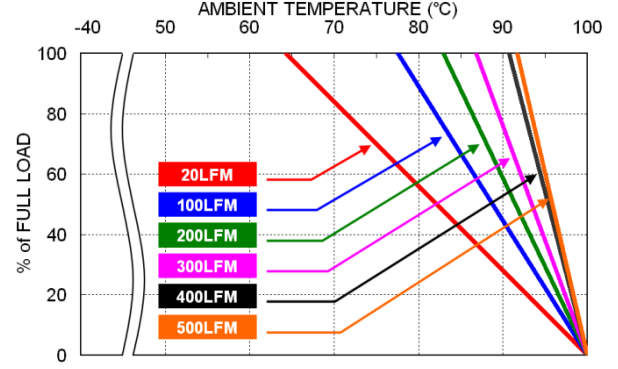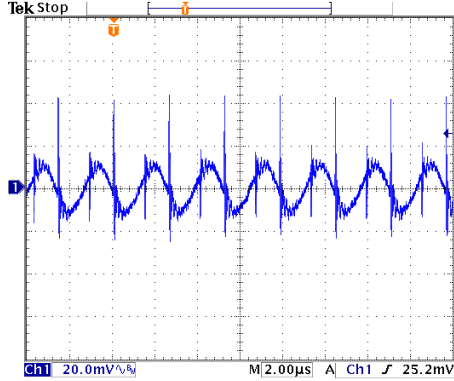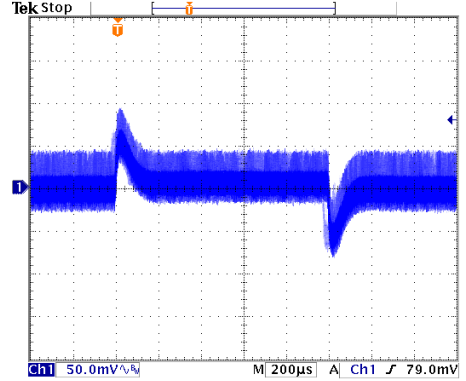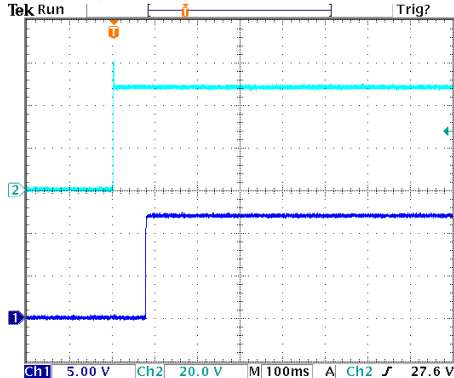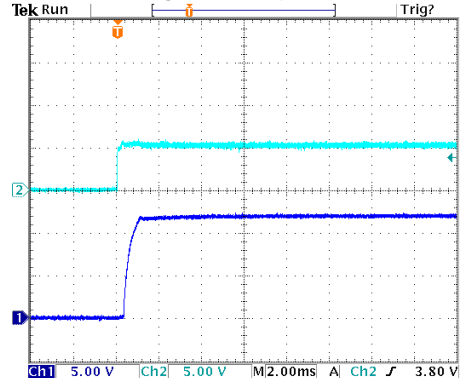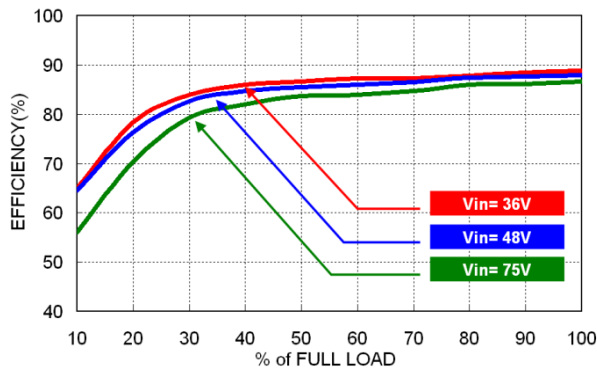
THD 12-4822

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic

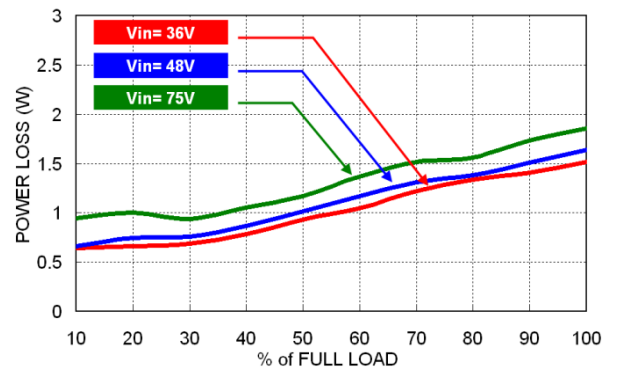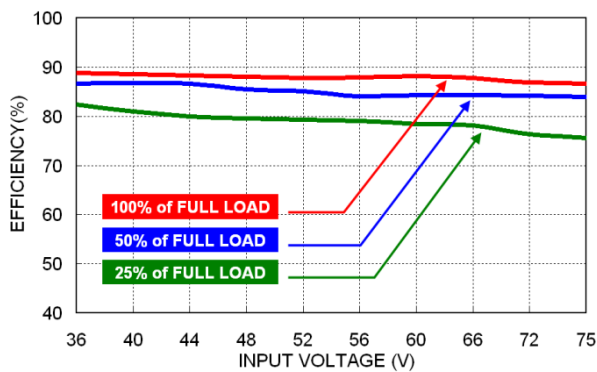### Remote on/off Voltage Start-Up Characteristic
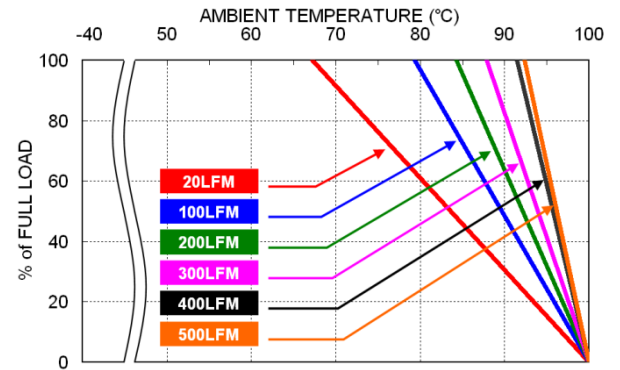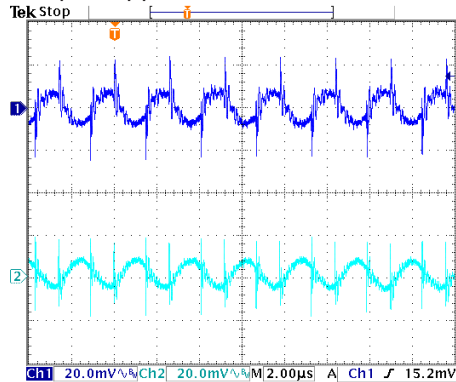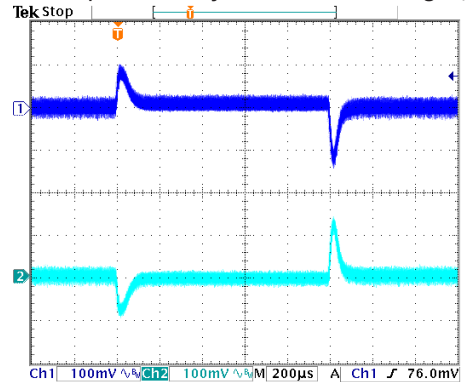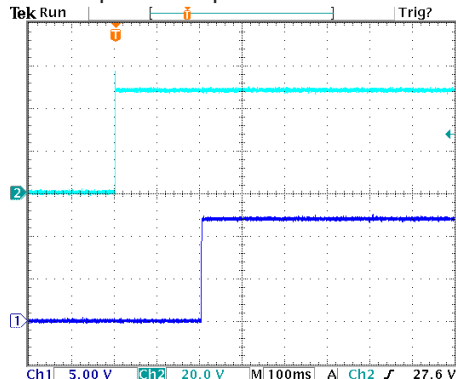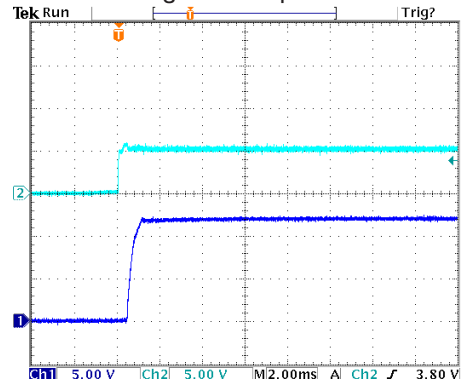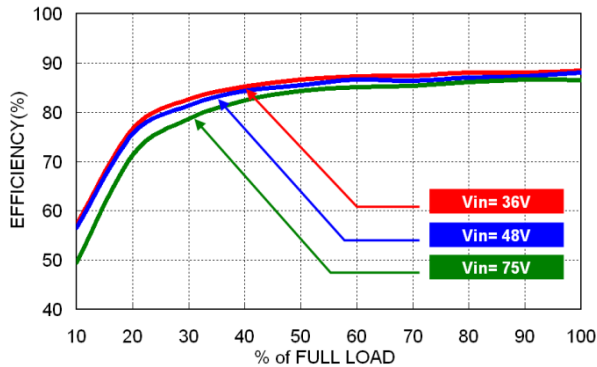
THD 12-4823

Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Typical Output Ripple and Noise

Transient Response to Dynamic Load Change (25%)

Typical Start-Up and Output Rise Characteristic

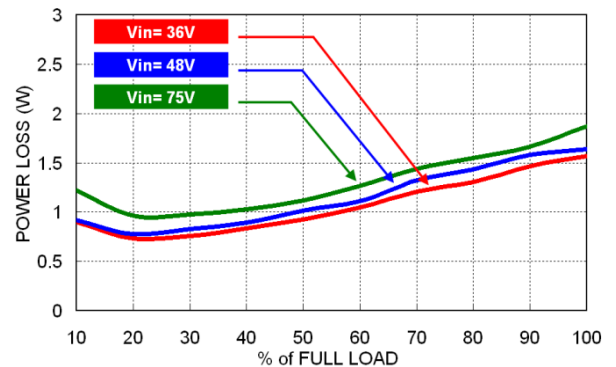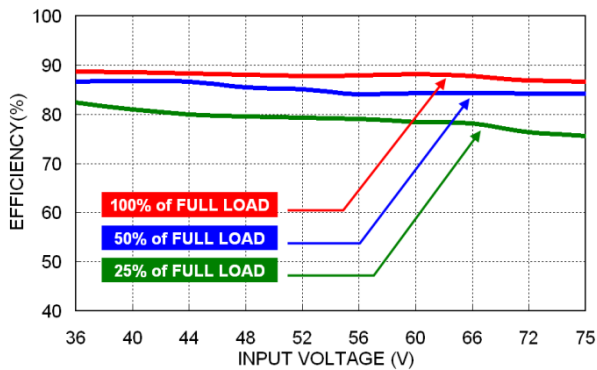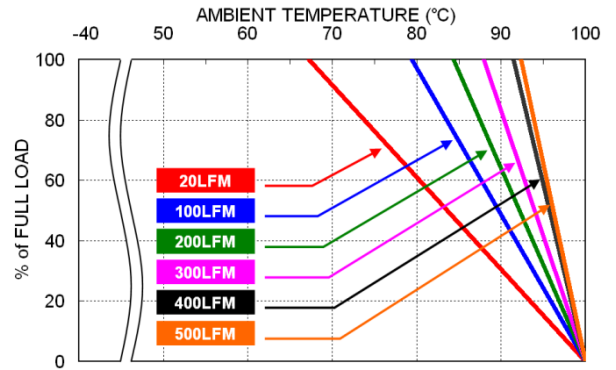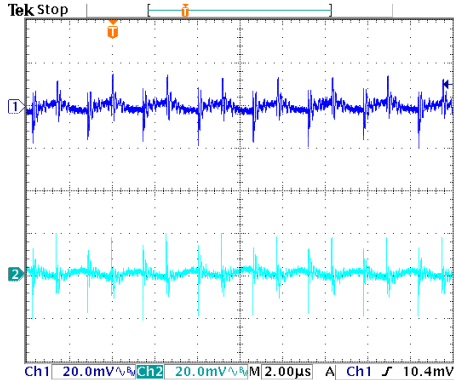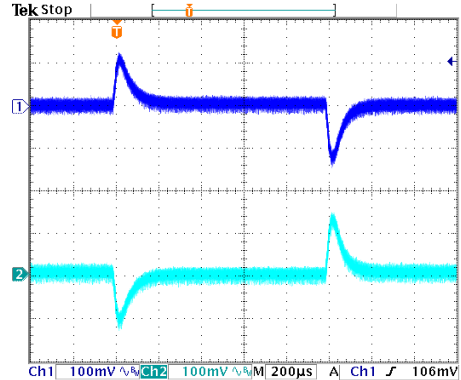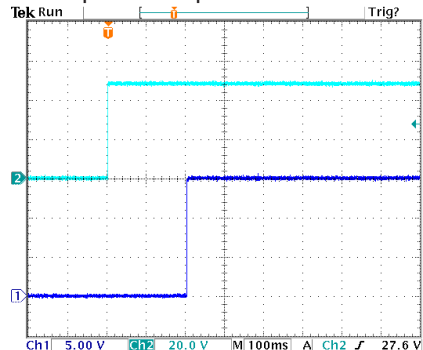### Remote on/off Voltage Start-Up Characteristic

Specifications can be changed without notice!