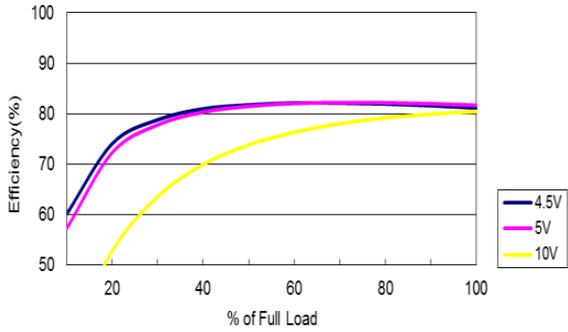


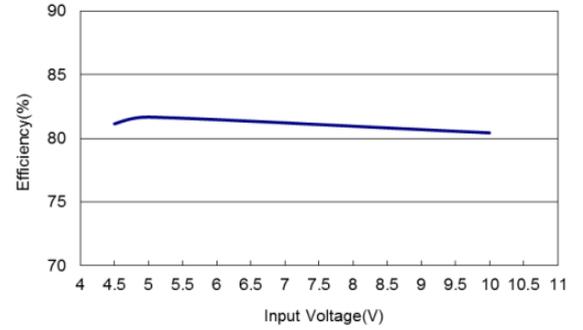
### Characteristic Curves

#### TDL 3-0510

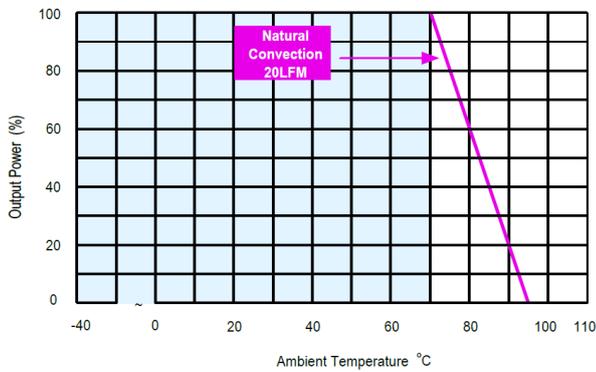
Efficiency versus Output Load



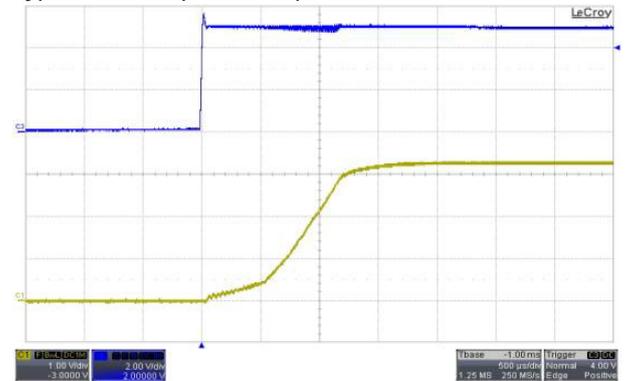
Efficiency versus Input Voltage



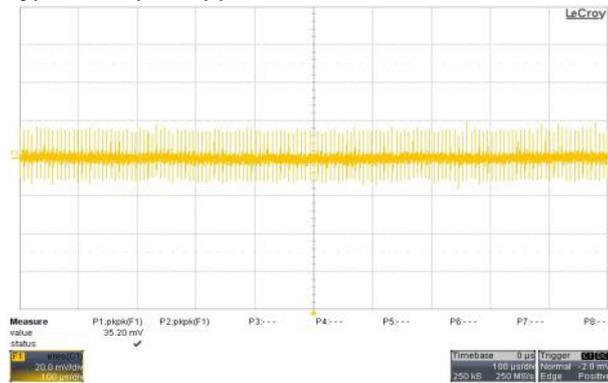
Derating Output Load versus Ambient Temperature



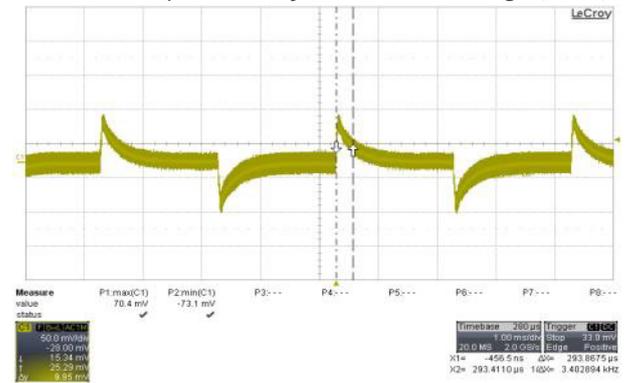
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise

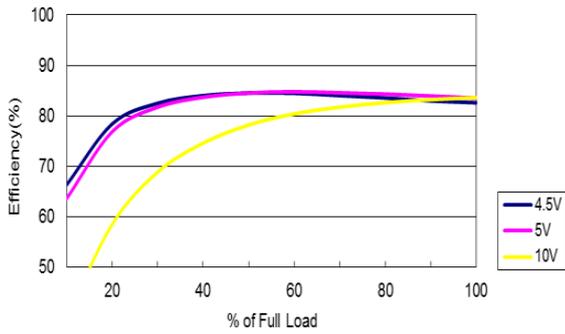


Transient Response to Dynamic Load Change (25%)

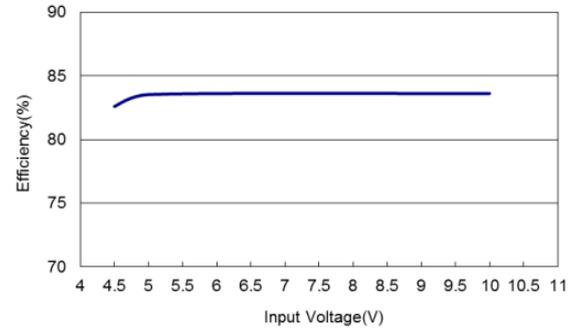


### TDL 3-0511

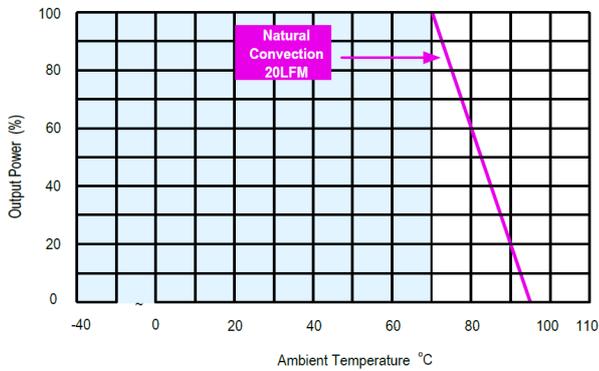
Efficiency versus Output Load



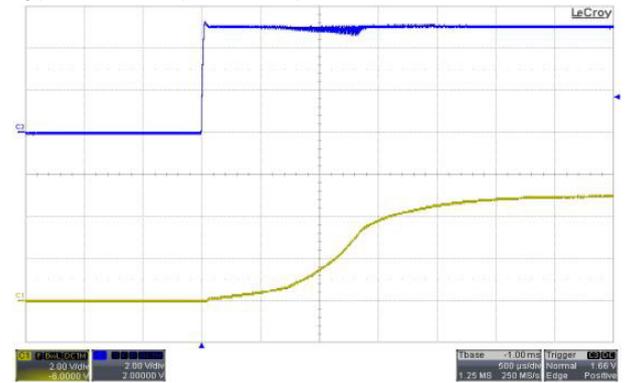
Efficiency versus Input Voltage



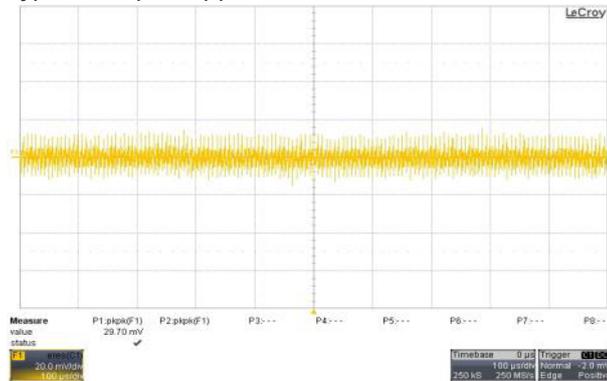
Derating Output Load versus Ambient Temperature



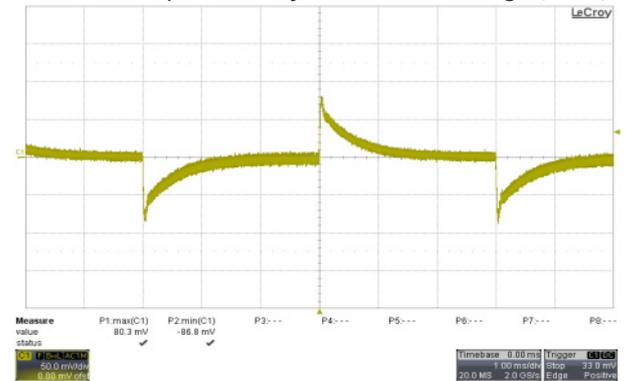
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



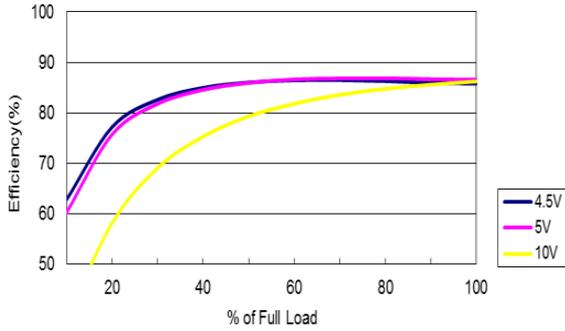
Transient Response to Dynamic Load Change (25%)



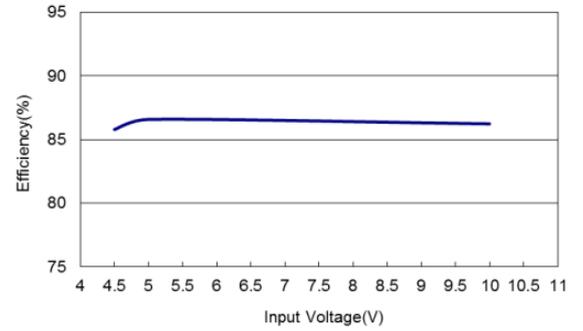
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-0512

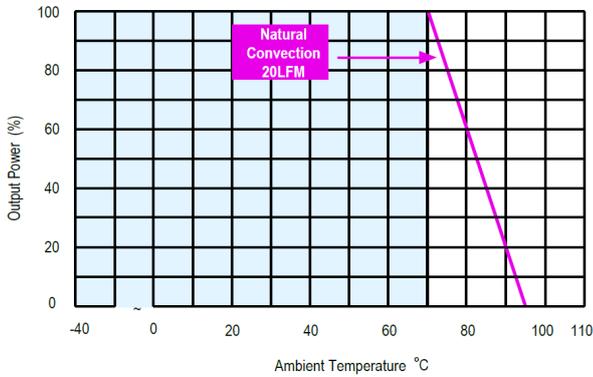
Efficiency versus Output Load



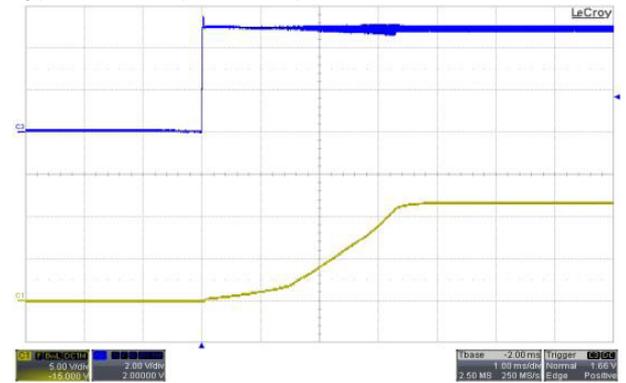
Efficiency versus Input Voltage



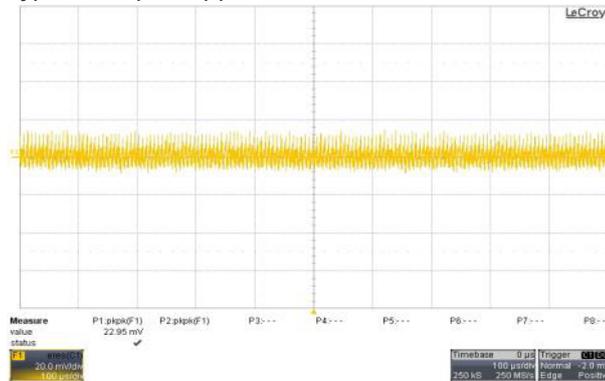
Derating Output Load versus Ambient Temperature



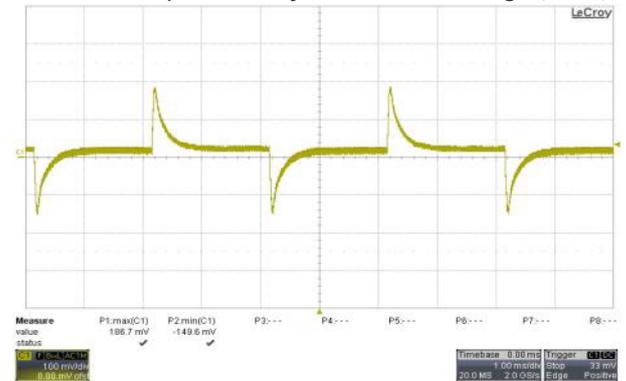
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



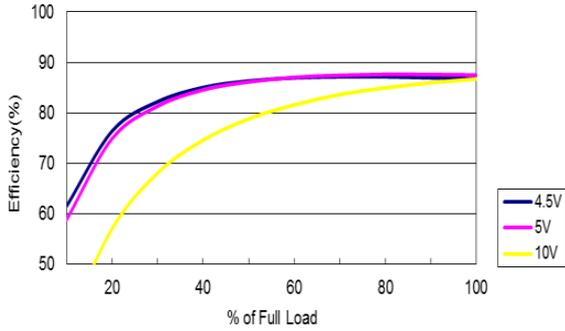
Transient Response to Dynamic Load Change (25%)



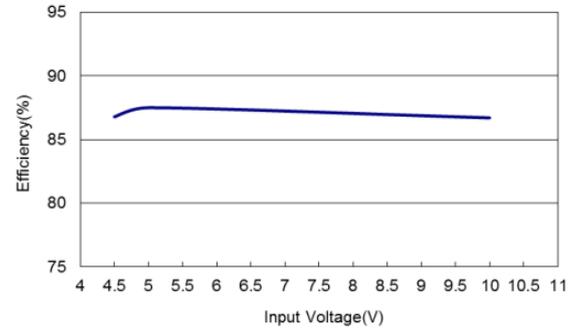
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-0513

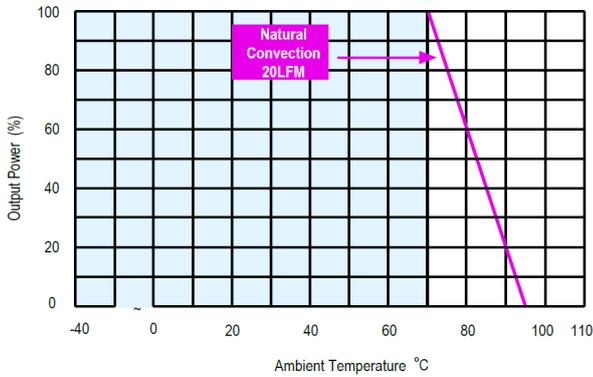
Efficiency versus Output Load



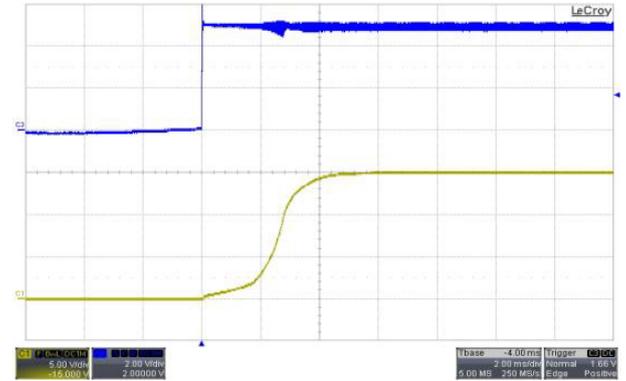
Efficiency versus Input Voltage



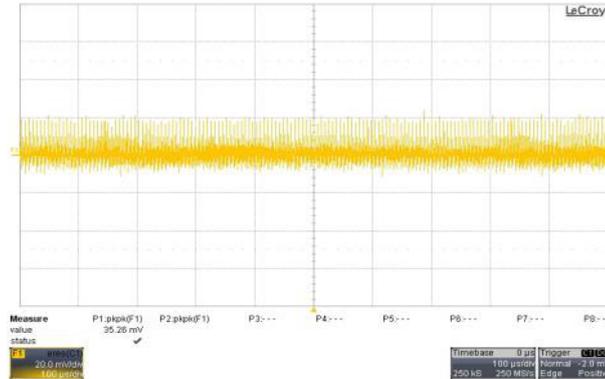
Derating Output Load versus Ambient Temperature



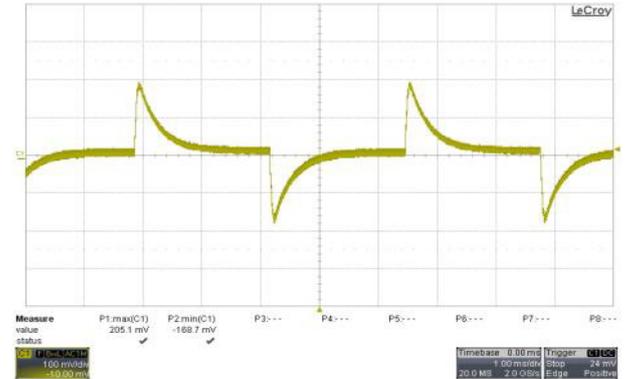
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



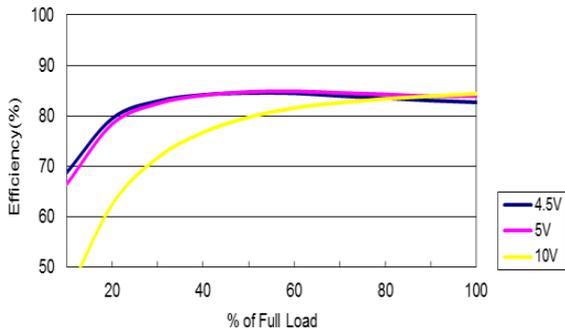
Transient Response to Dynamic Load Change (25%)



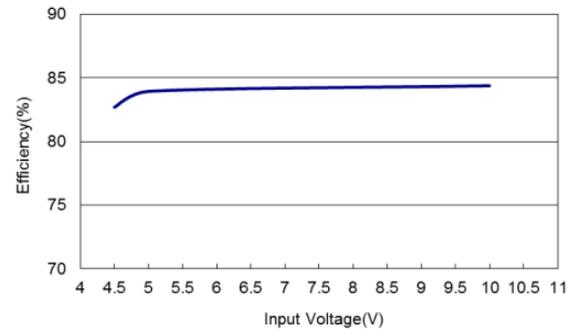
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-0521

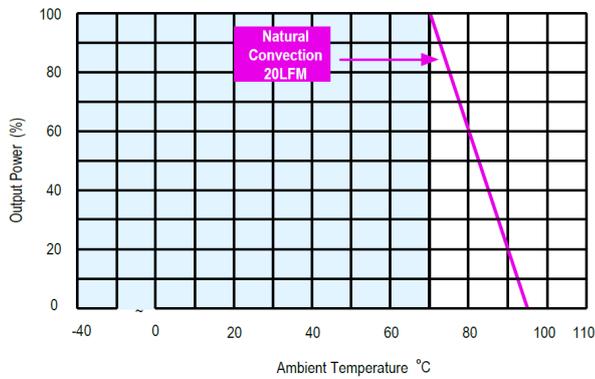
Efficiency versus Output Load



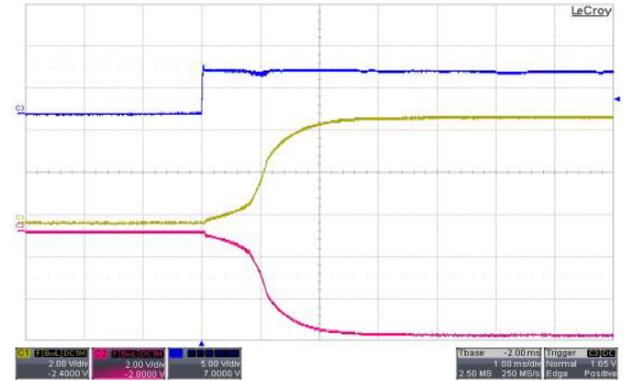
Efficiency versus Input Voltage



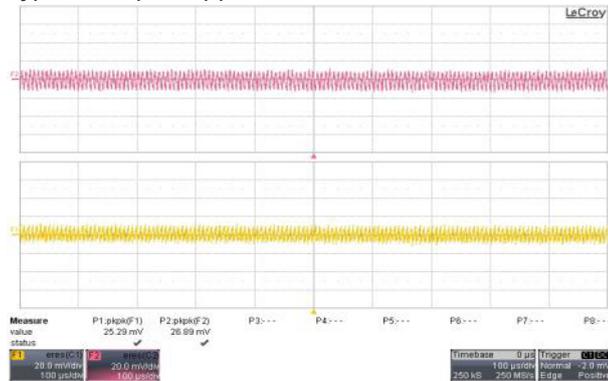
Derating Output Load versus Ambient Temperature



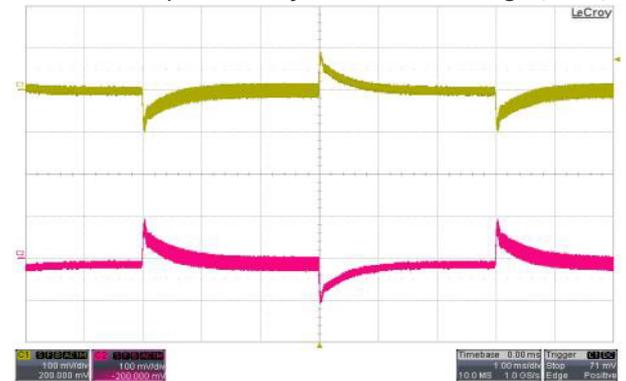
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



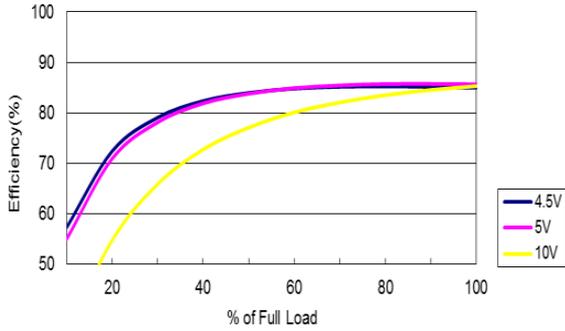
Transient Response to Dynamic Load Change (25%)



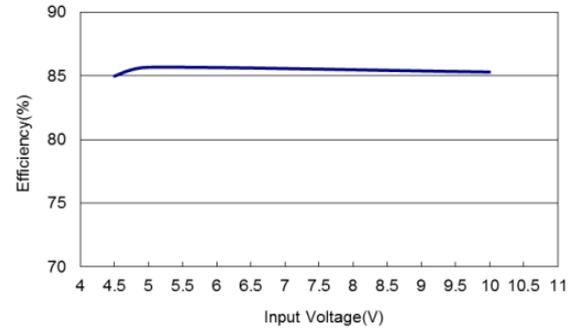
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-0522

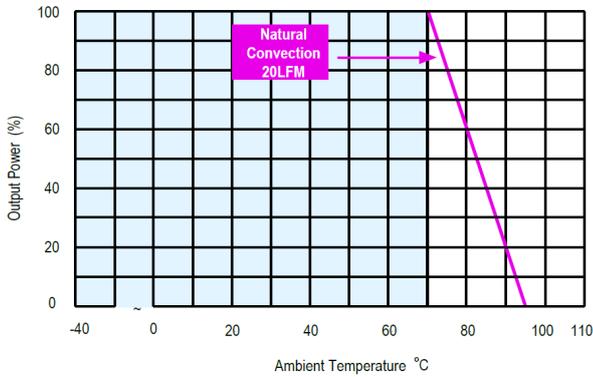
Efficiency versus Output Load



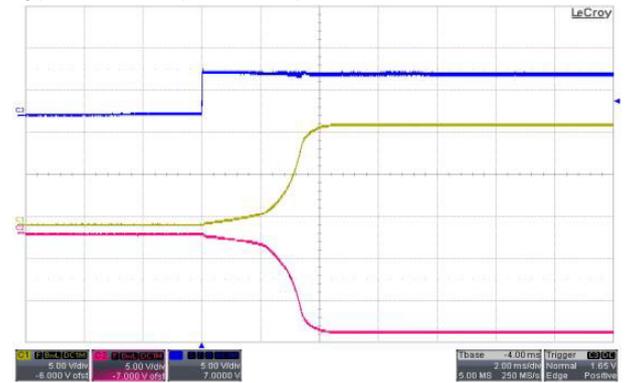
Efficiency versus Input Voltage



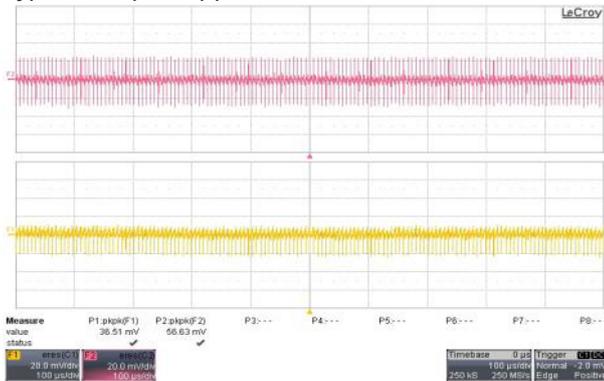
Derating Output Load versus Ambient Temperature



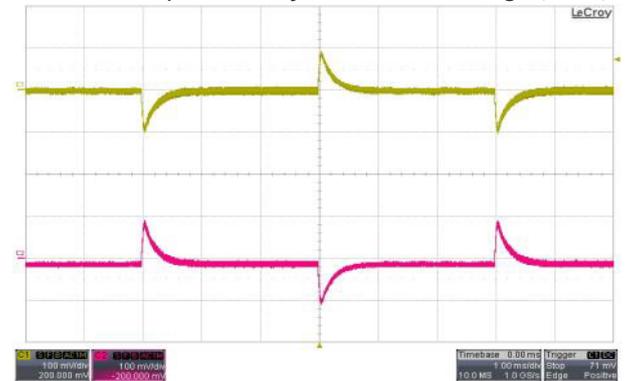
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



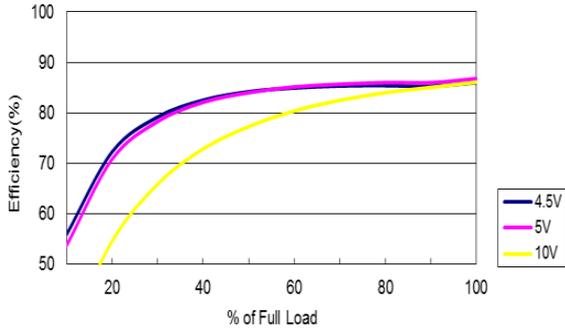
Transient Response to Dynamic Load Change (25%)



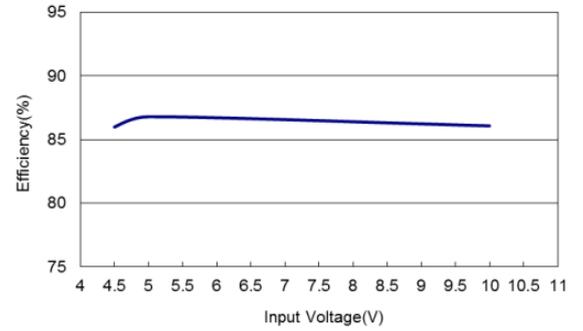
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-0523

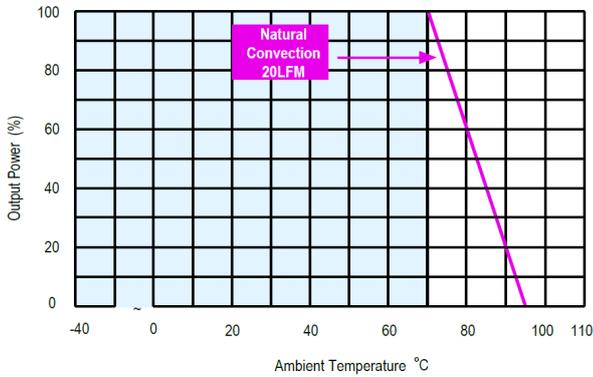
#### Efficiency versus Output Load



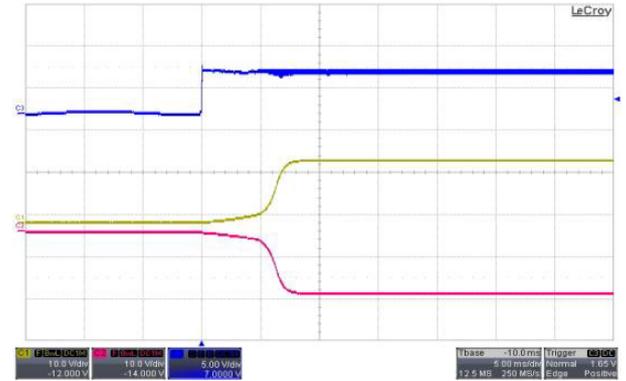
#### Efficiency versus Input Voltage



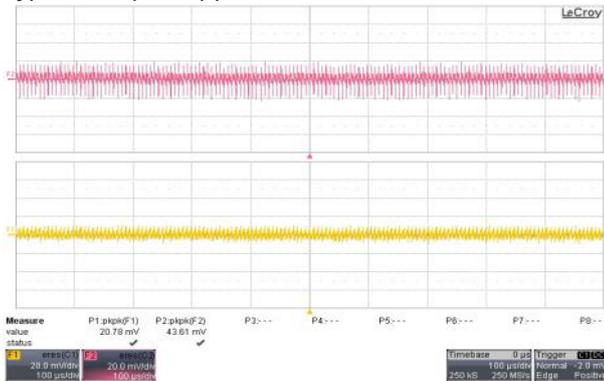
#### Derating Output Load versus Ambient Temperature



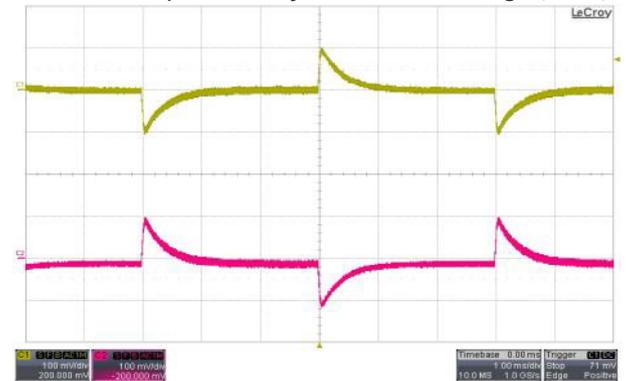
#### Typical Start-Up and Output Rise Characteristic



#### Typical Output Ripple and Noise



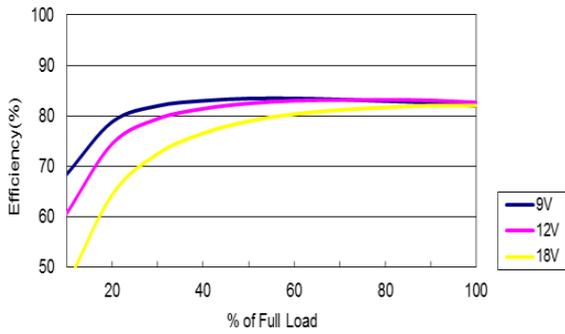
#### Transient Response to Dynamic Load Change (25%)



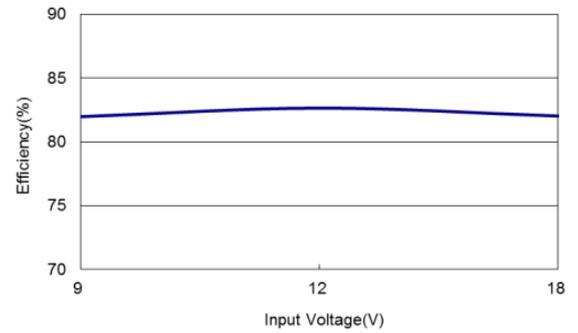
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-1210

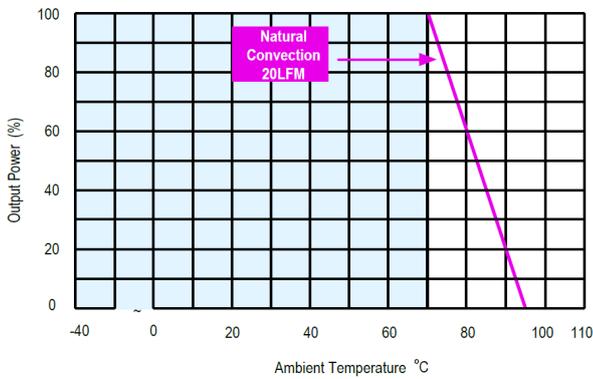
Efficiency versus Output Load



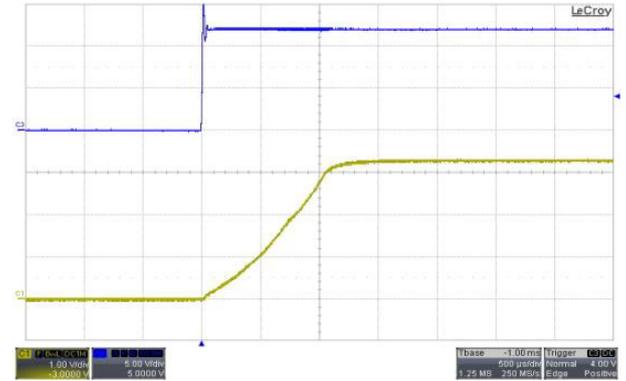
Efficiency versus Input Voltage



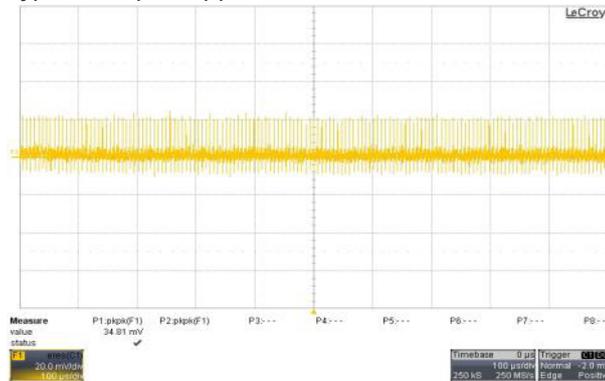
Derating Output Load versus Ambient Temperature



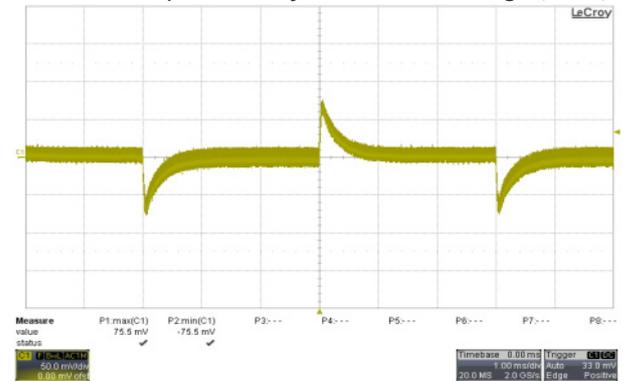
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



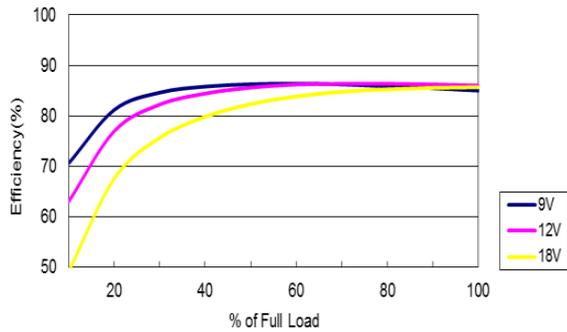
Transient Response to Dynamic Load Change (25%)



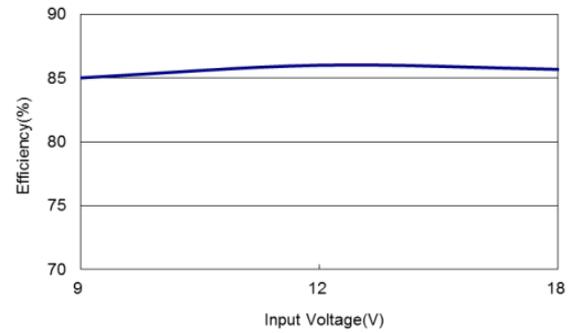
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-1211

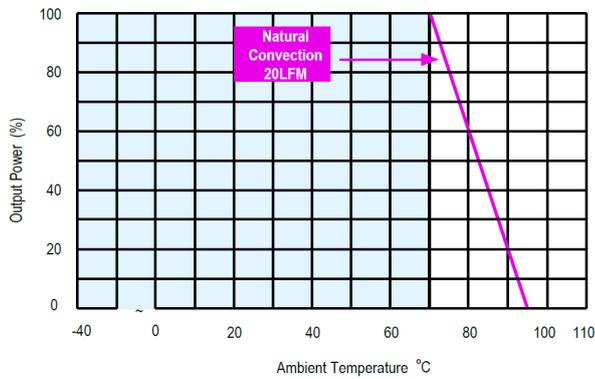
Efficiency versus Output Load



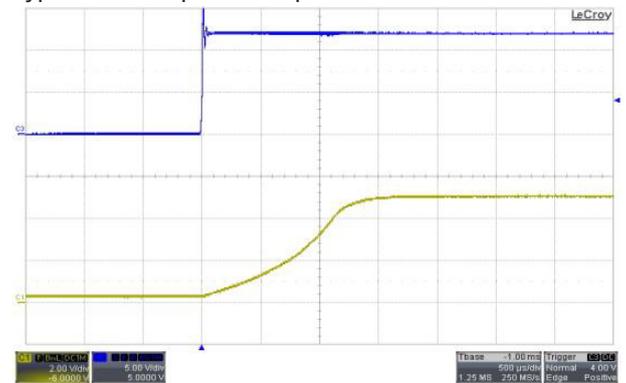
Efficiency versus Input Voltage



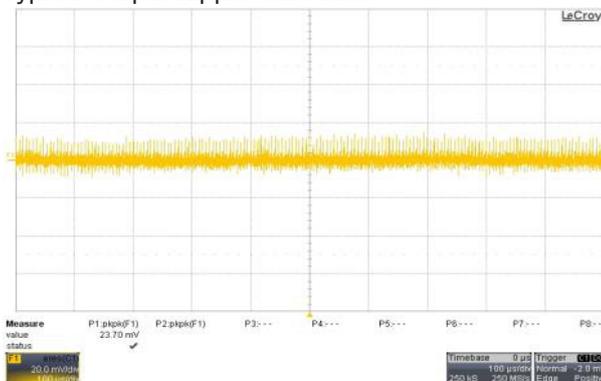
Derating Output Load versus Ambient Temperature



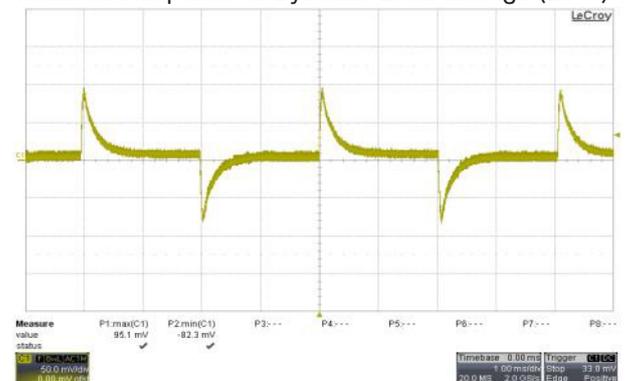
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



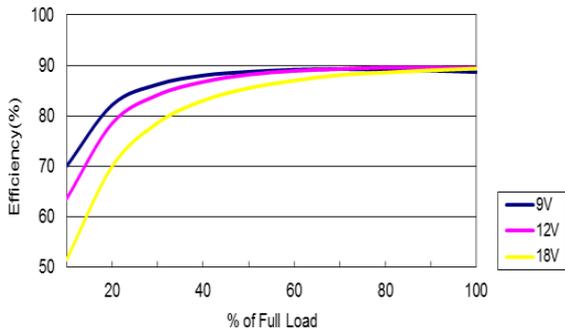
Transient Response to Dynamic Load Change (25%)



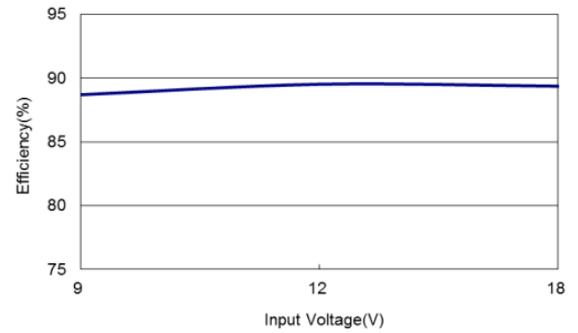
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-1212

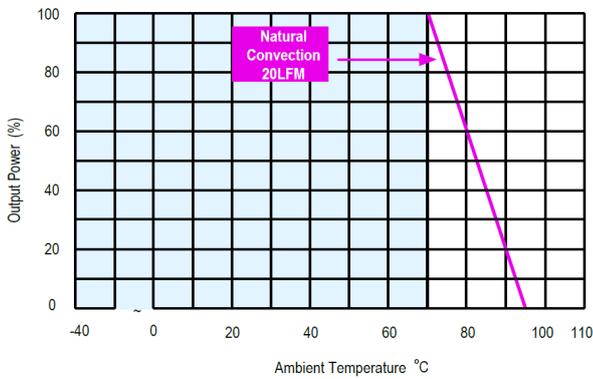
Efficiency versus Output Load



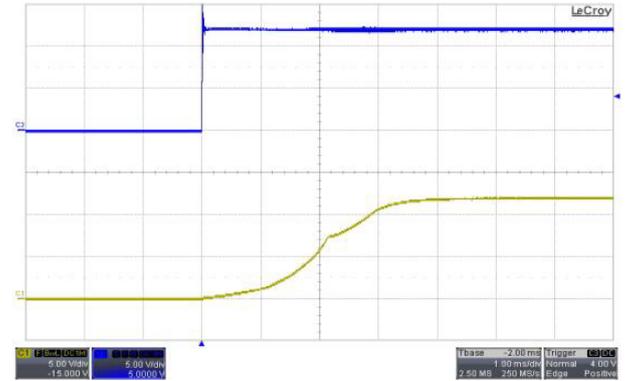
Efficiency versus Input Voltage



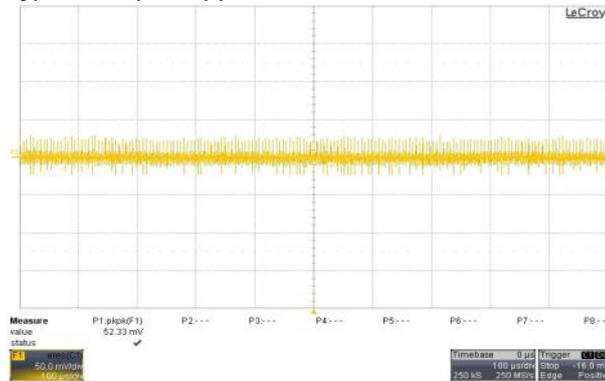
Derating Output Load versus Ambient Temperature



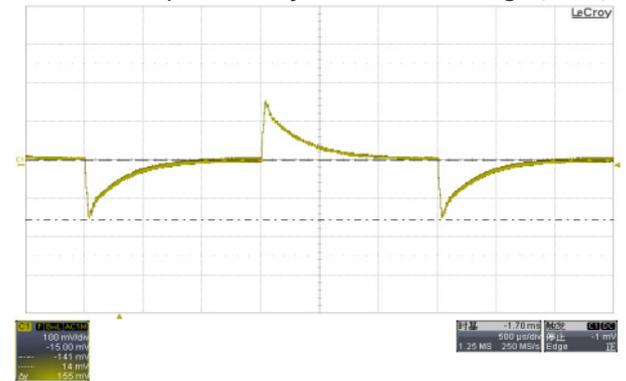
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



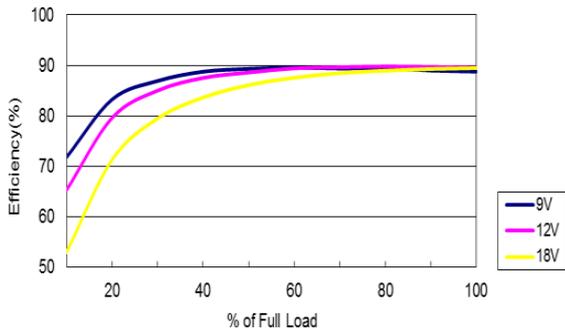
Transient Response to Dynamic Load Change (25%)



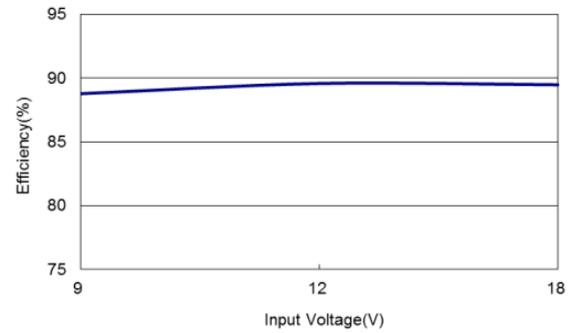
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-1213

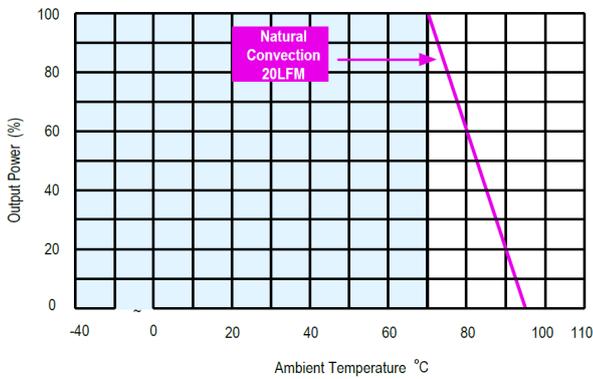
Efficiency versus Output Load



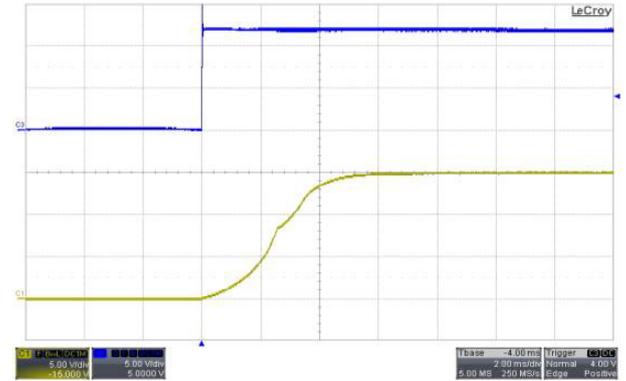
Efficiency versus Input Voltage



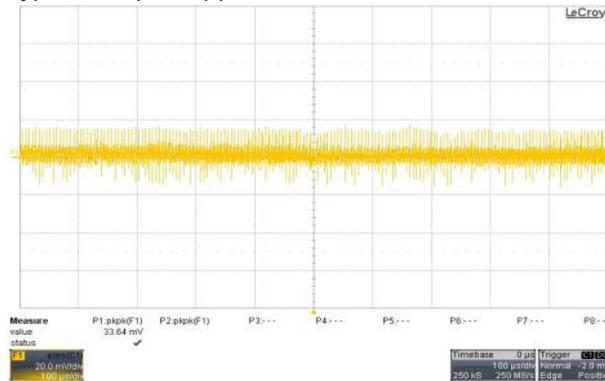
Derating Output Load versus Ambient Temperature



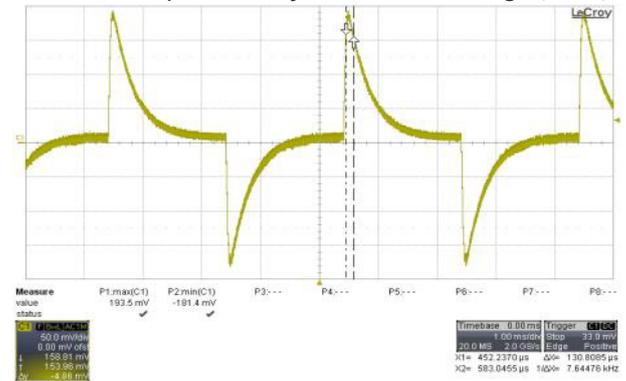
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



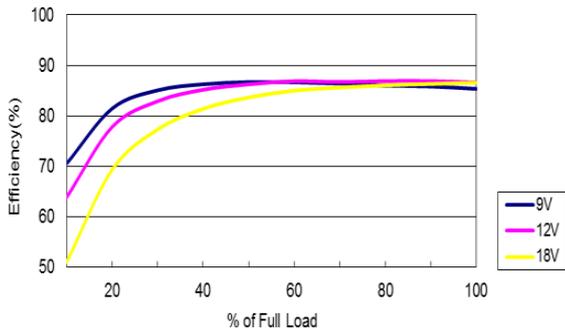
Transient Response to Dynamic Load Change (25%)



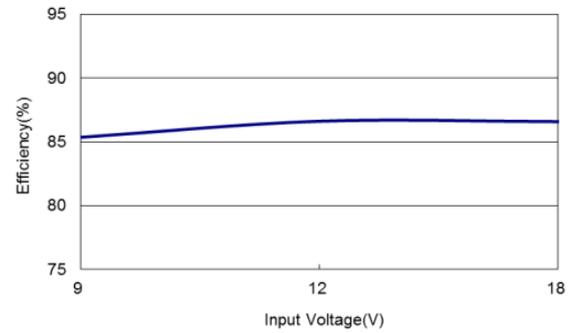
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-1221

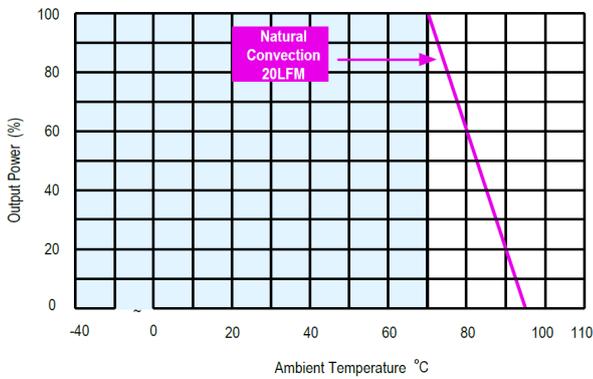
Efficiency versus Output Load



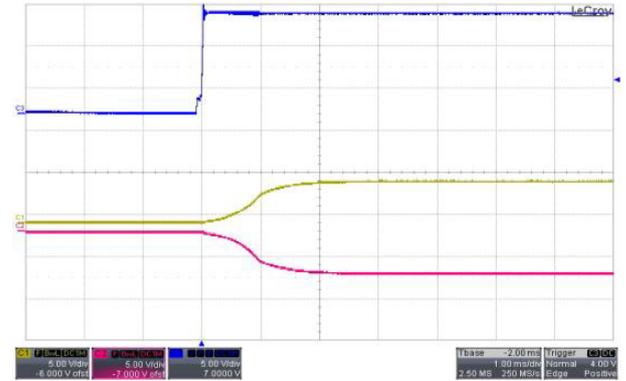
Efficiency versus Input Voltage



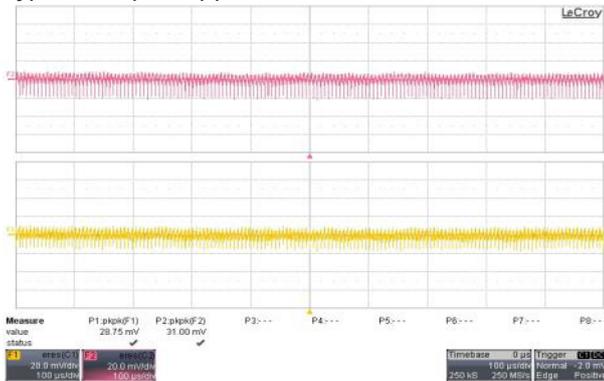
Derating Output Load versus Ambient Temperature



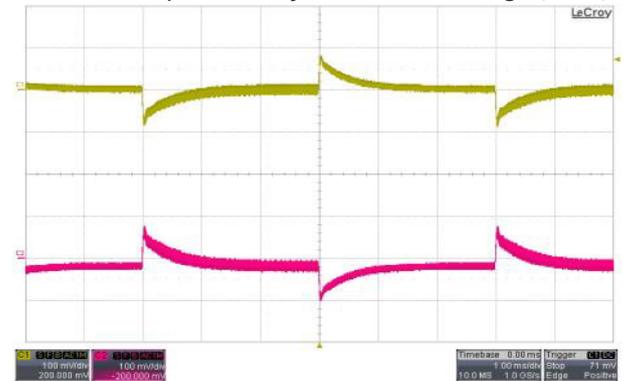
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



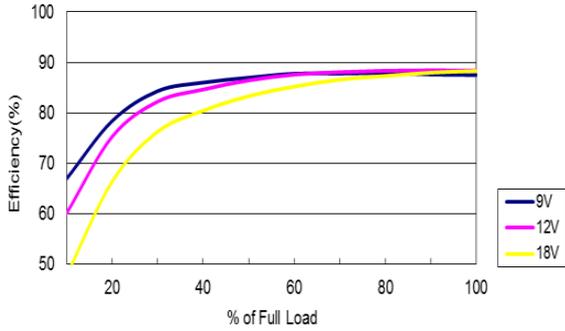
Transient Response to Dynamic Load Change (25%)



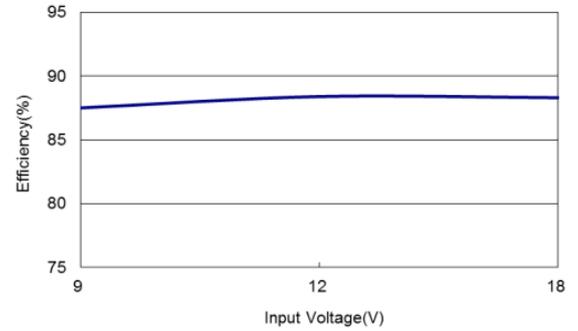
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-1222

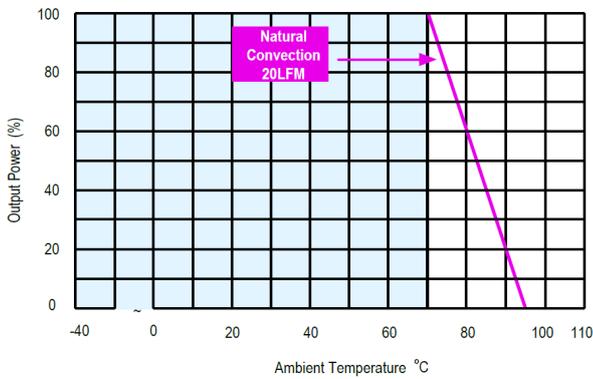
Efficiency versus Output Load



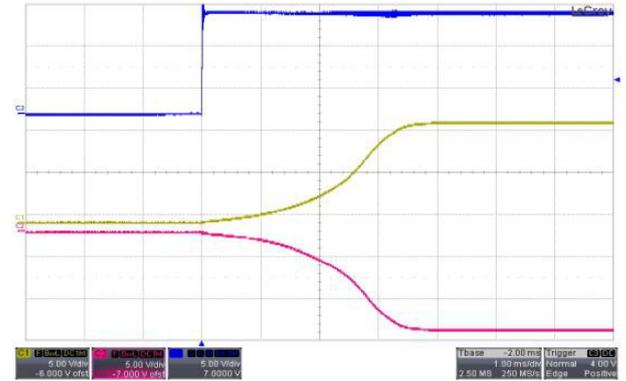
Efficiency versus Input Voltage



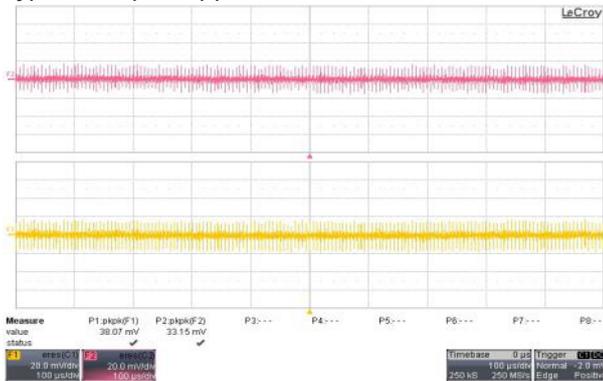
Derating Output Load versus Ambient Temperature



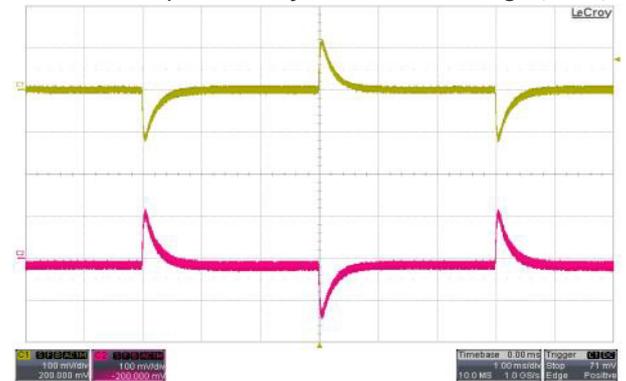
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



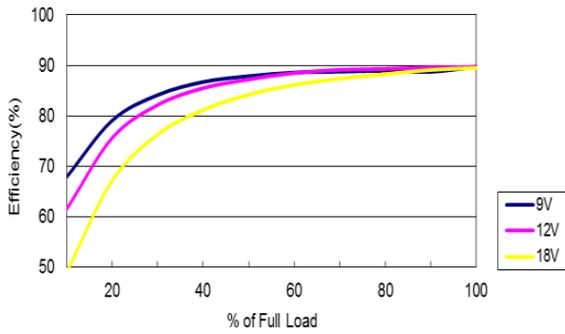
Transient Response to Dynamic Load Change (25%)



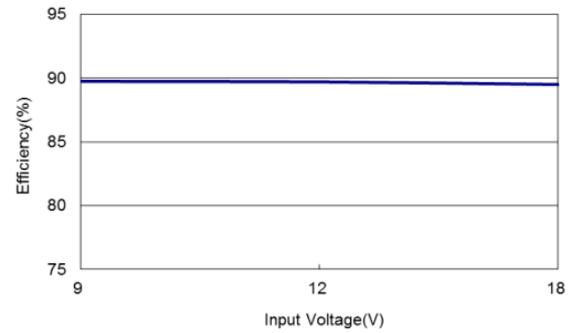
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-1223

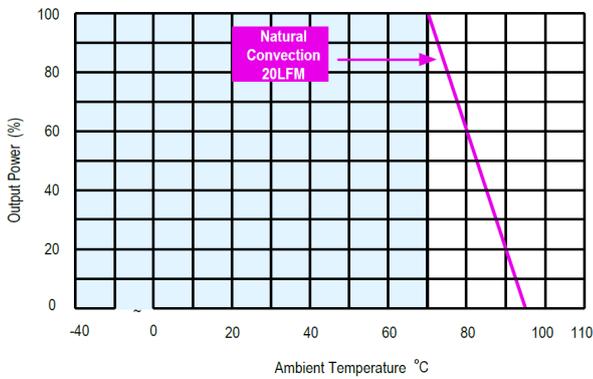
Efficiency versus Output Load



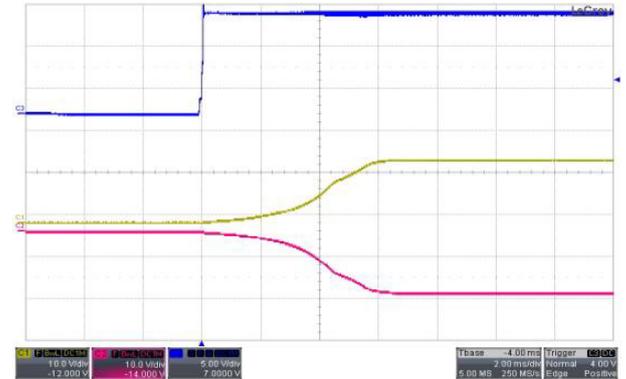
Efficiency versus Input Voltage



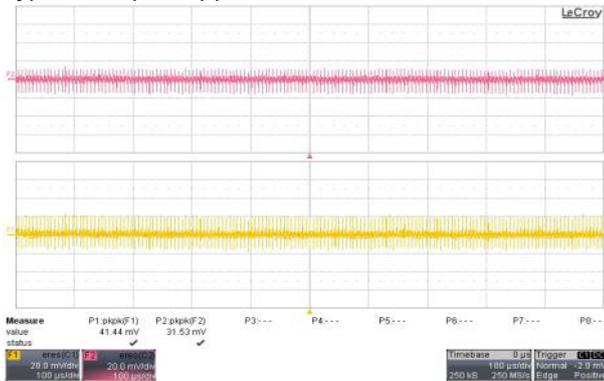
Derating Output Load versus Ambient Temperature



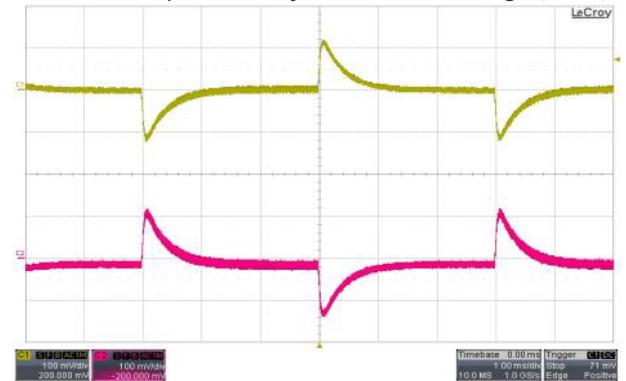
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



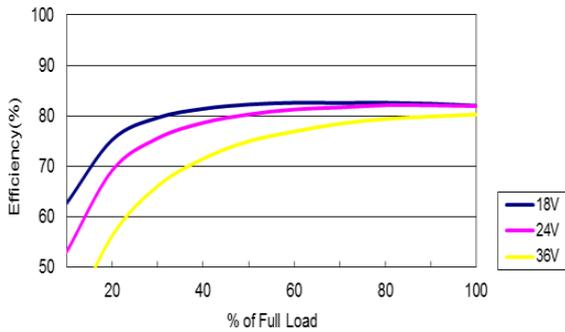
Transient Response to Dynamic Load Change (25%)



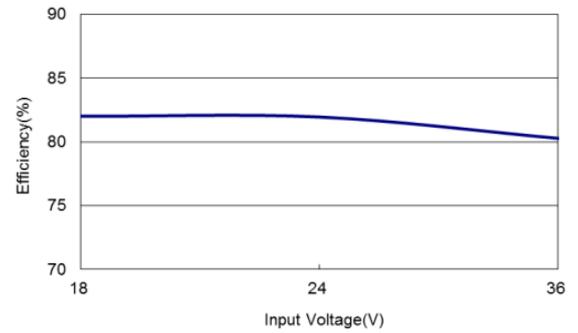
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-2410

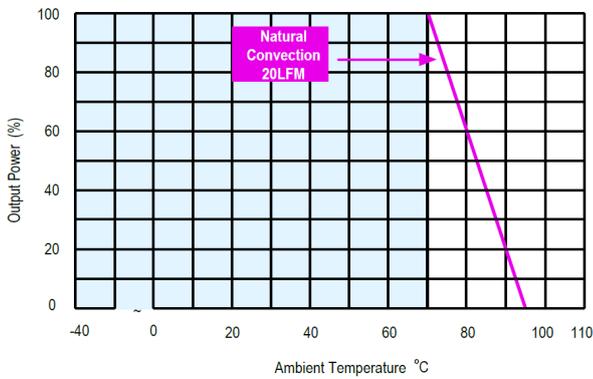
Efficiency versus Output Load



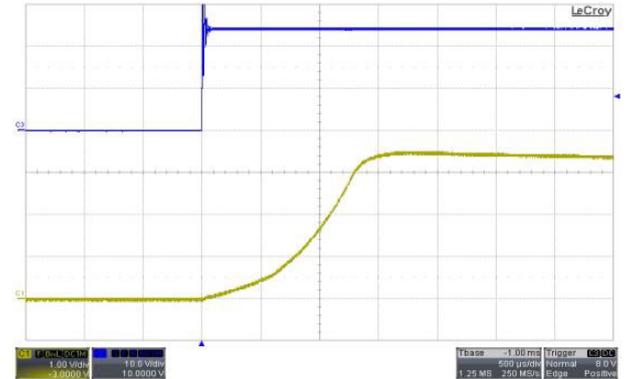
Efficiency versus Input Voltage



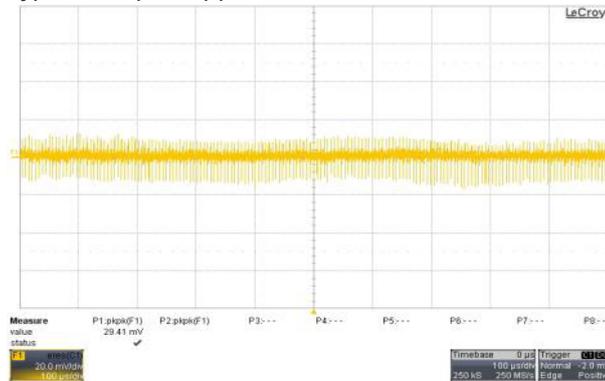
Derating Output Load versus Ambient Temperature



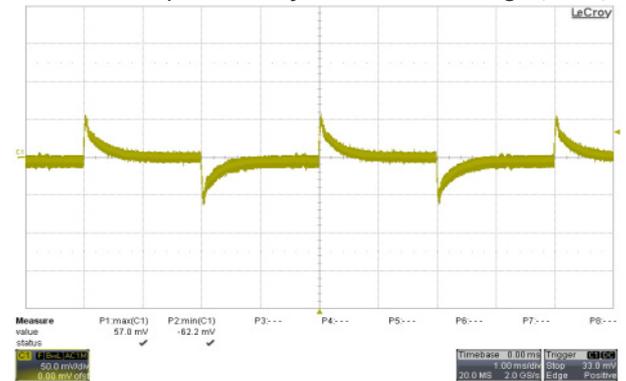
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



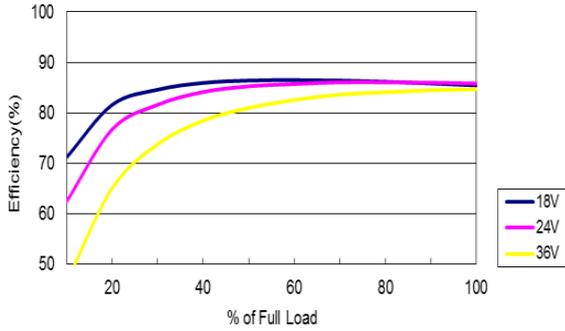
Transient Response to Dynamic Load Change (25%)



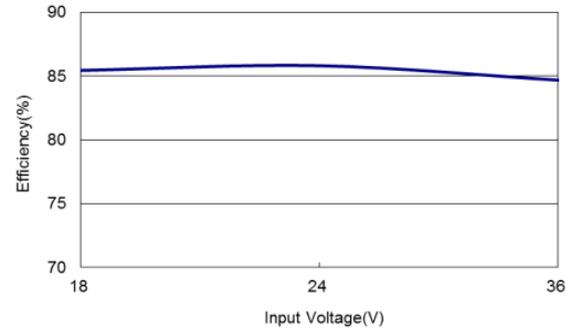
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

**TDL 3-2411**

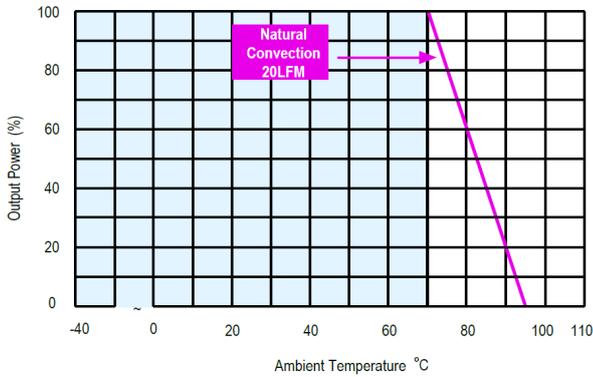
Efficiency versus Output Load



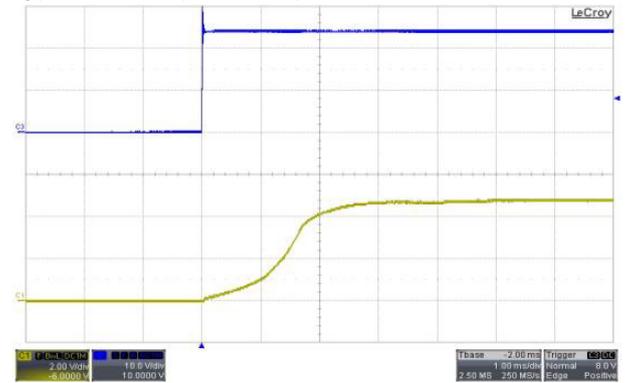
Efficiency versus Input Voltage



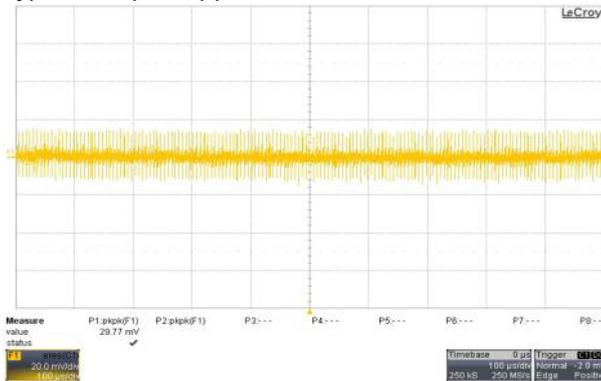
Derating Output Load versus Ambient Temperature



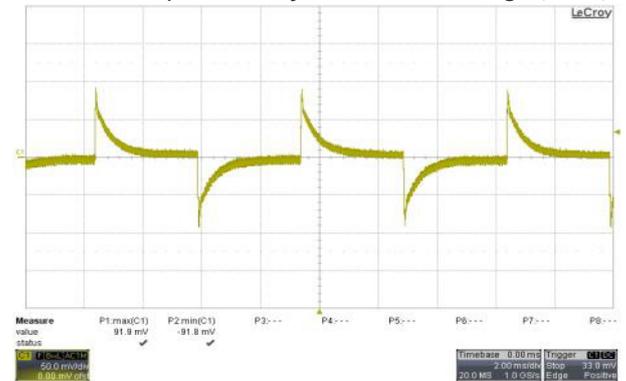
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



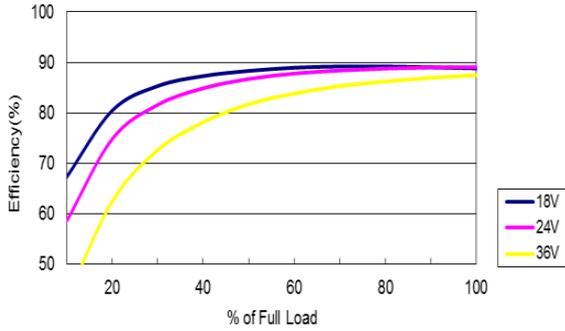
Transient Response to Dynamic Load Change (25%)



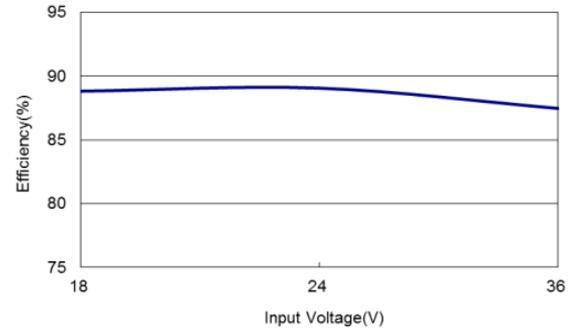
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

**TDL 3-2412**

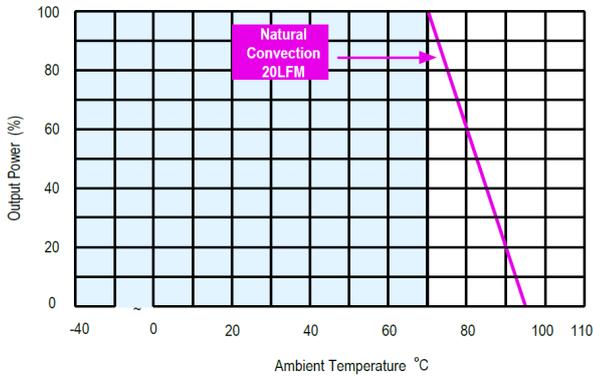
Efficiency versus Output Load



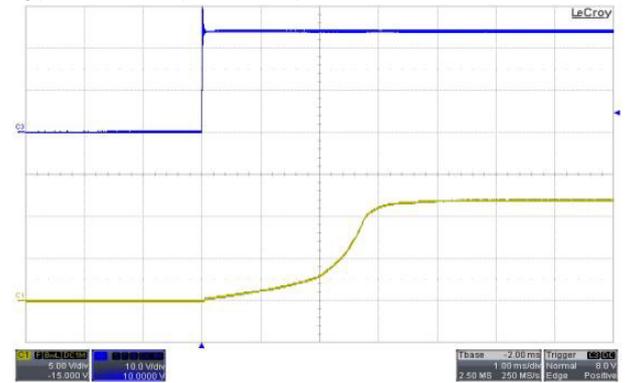
Efficiency versus Input Voltage



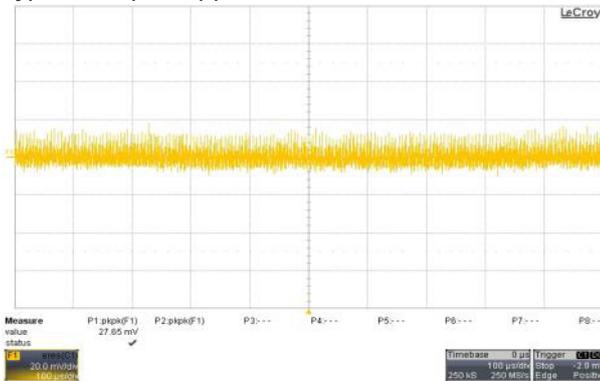
Derating Output Load versus Ambient Temperature



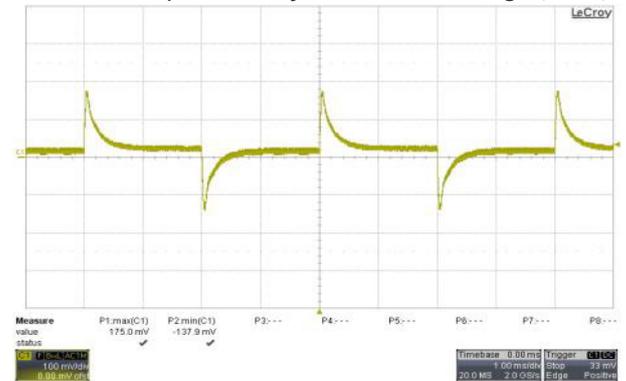
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



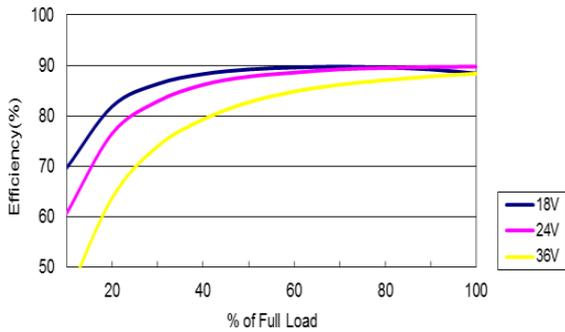
Transient Response to Dynamic Load Change (25%)



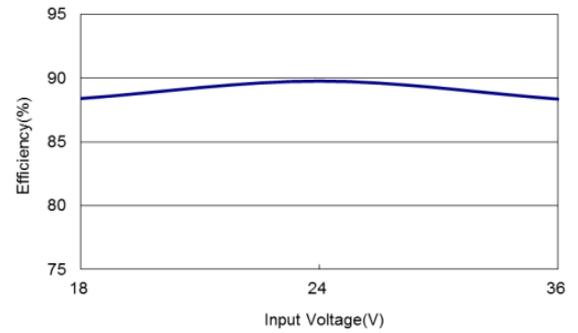
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-2413

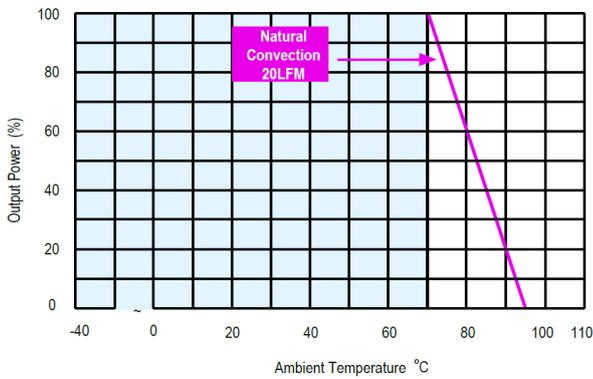
Efficiency versus Output Load



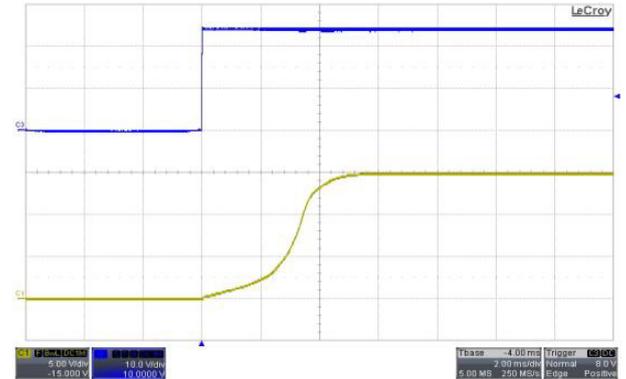
Efficiency versus Input Voltage



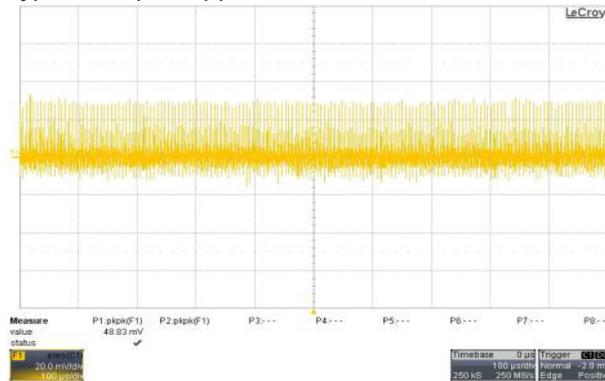
Derating Output Load versus Ambient Temperature



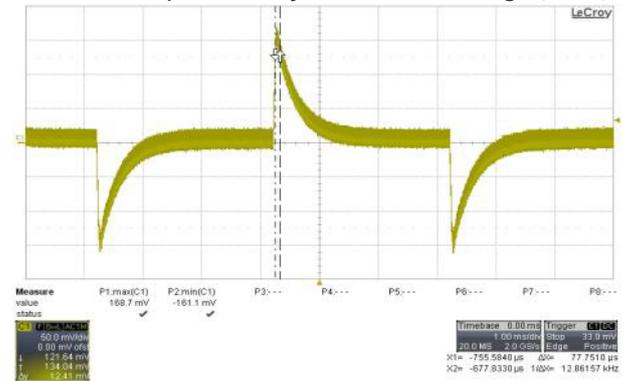
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



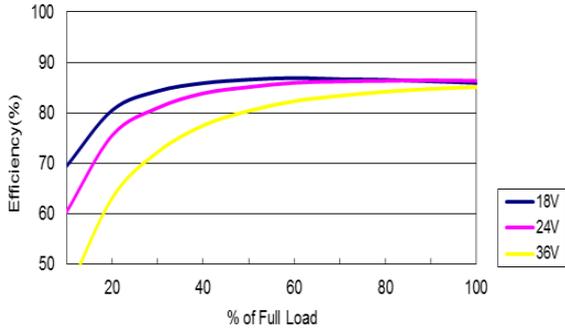
Transient Response to Dynamic Load Change (25%)



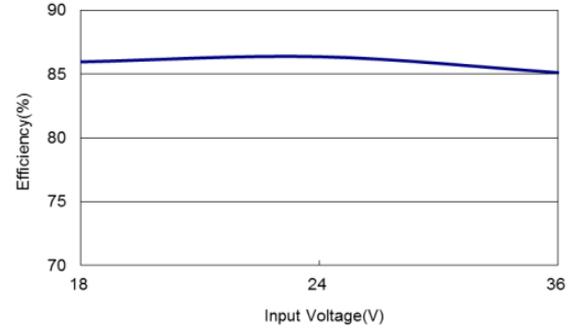
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

**TDL 3-2421**

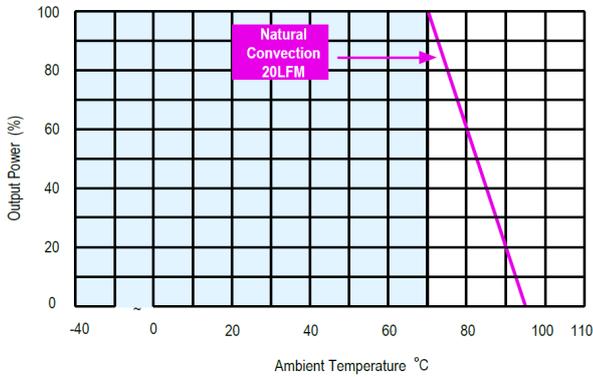
Efficiency versus Output Load



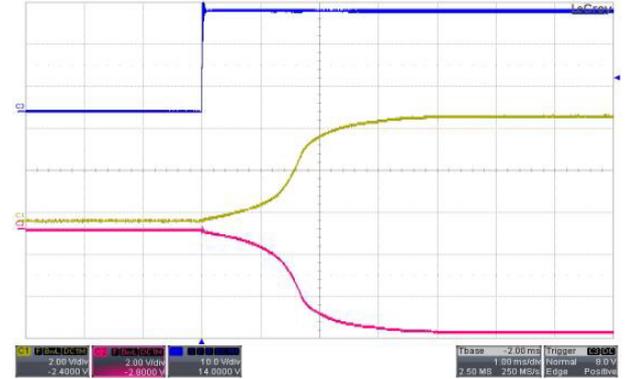
Efficiency versus Input Voltage



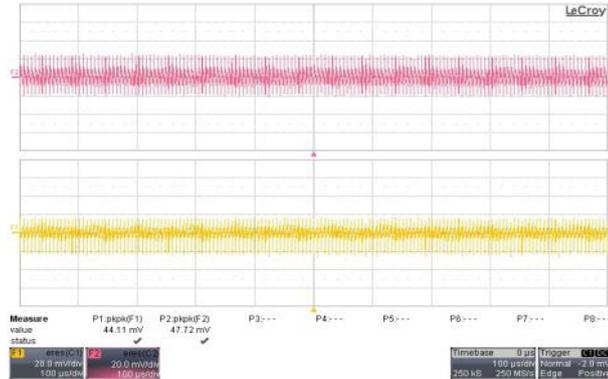
Derating Output Load versus Ambient Temperature



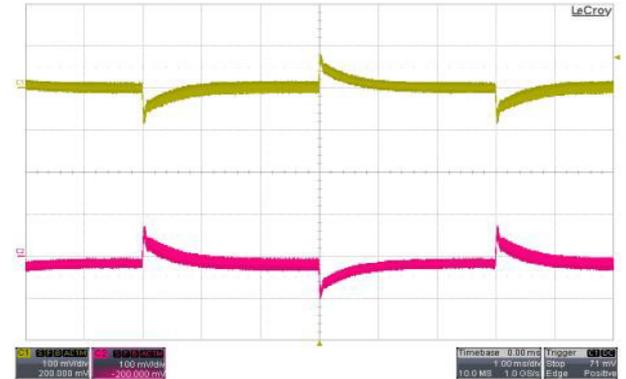
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



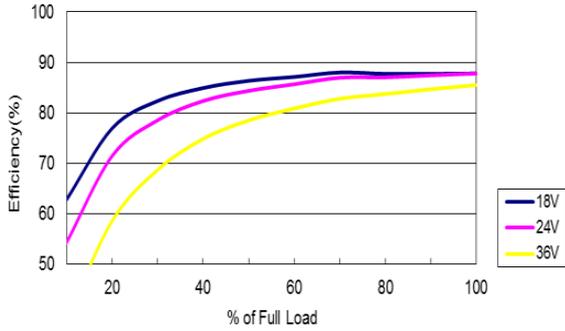
Transient Response to Dynamic Load Change (25%)



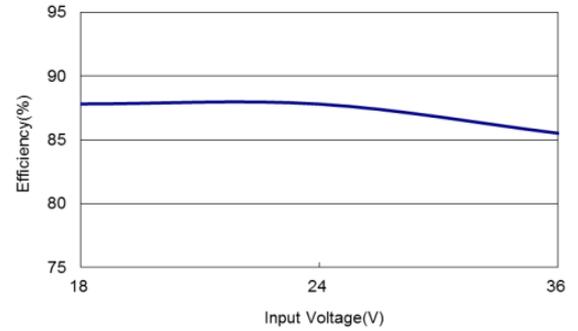
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-2422

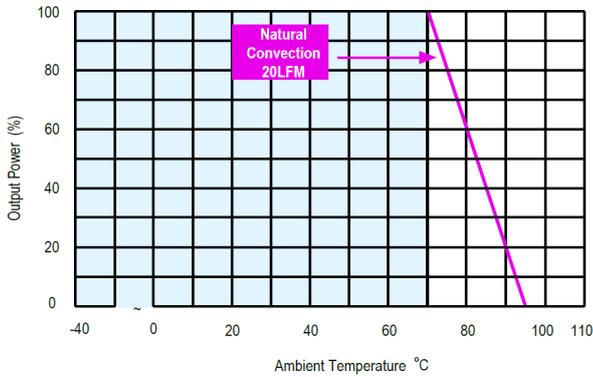
Efficiency versus Output Load



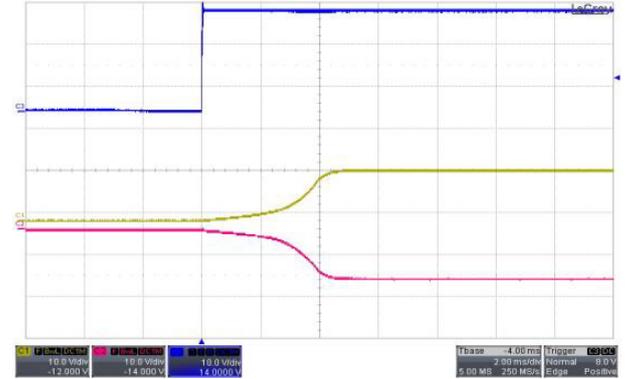
Efficiency versus Input Voltage



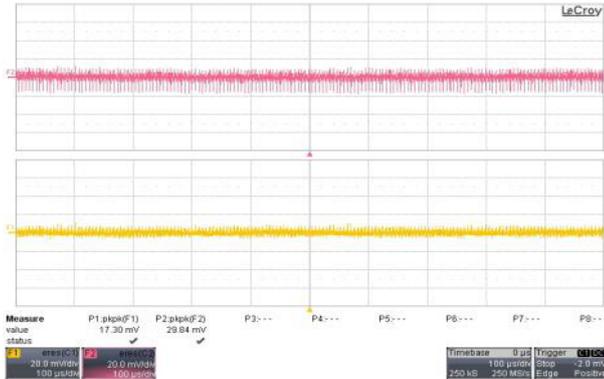
Derating Output Load versus Ambient Temperature



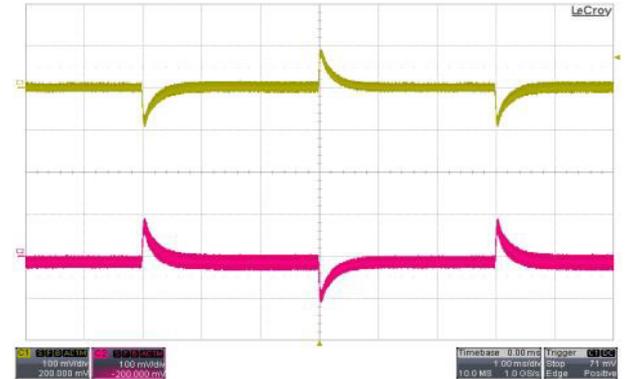
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



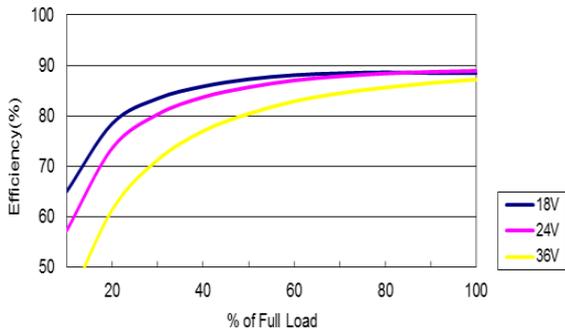
Transient Response to Dynamic Load Change (25%)



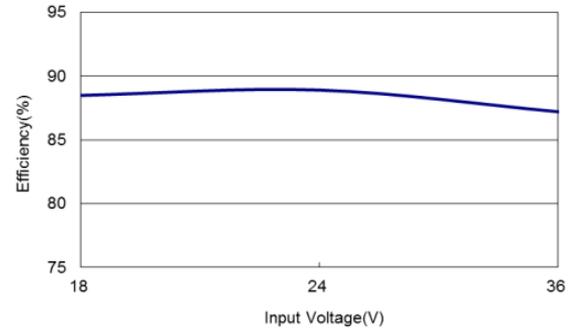
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-2423

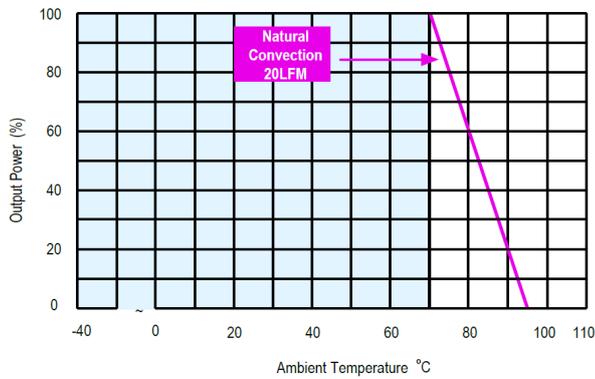
Efficiency versus Output Load



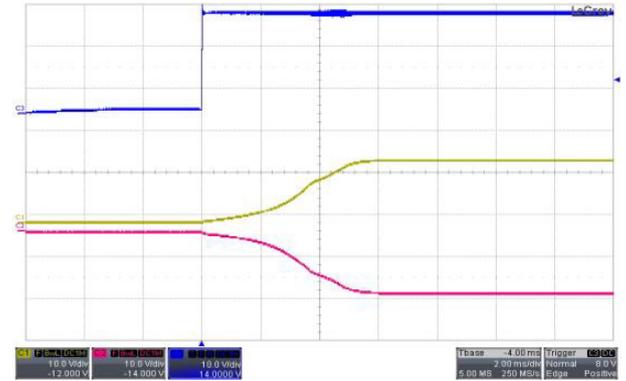
Efficiency versus Input Voltage



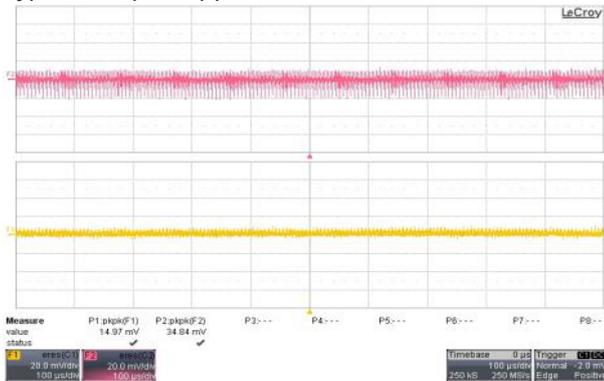
Derating Output Load versus Ambient Temperature



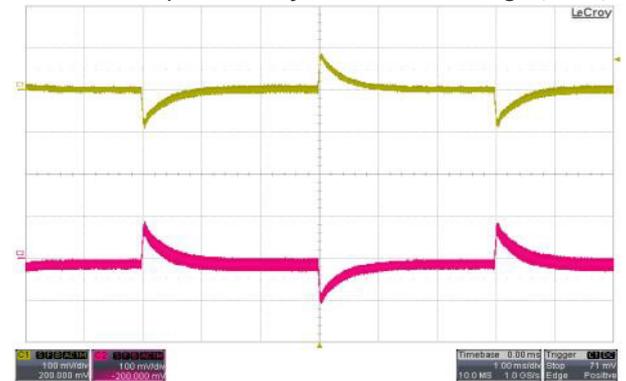
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



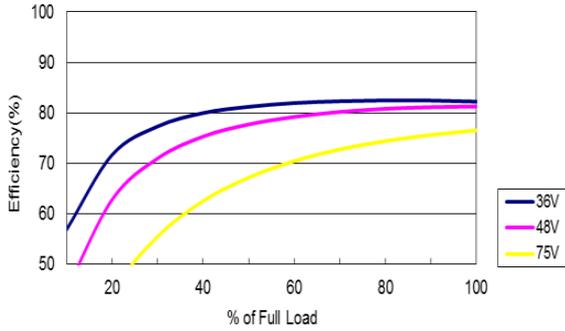
Transient Response to Dynamic Load Change (25%)



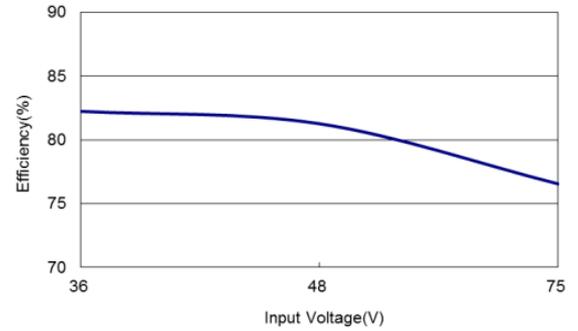
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-4810

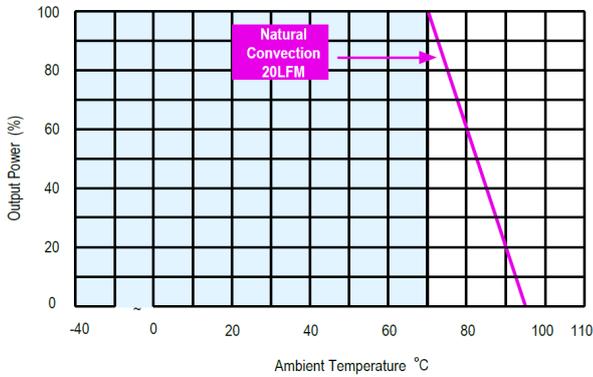
Efficiency versus Output Load



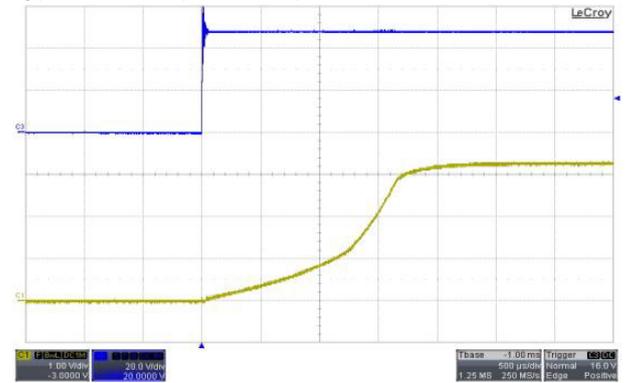
Efficiency versus Input Voltage



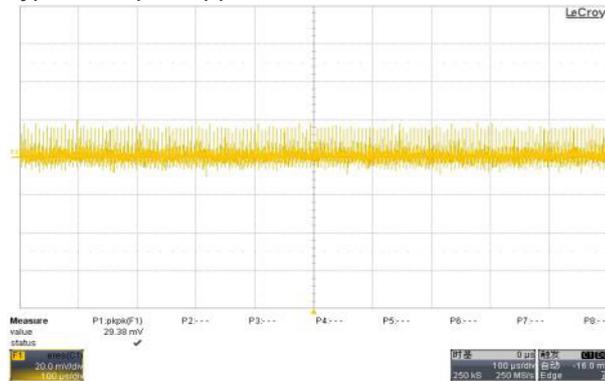
Derating Output Load versus Ambient Temperature



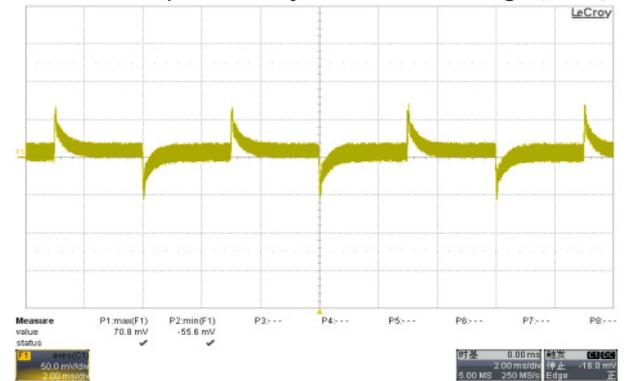
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



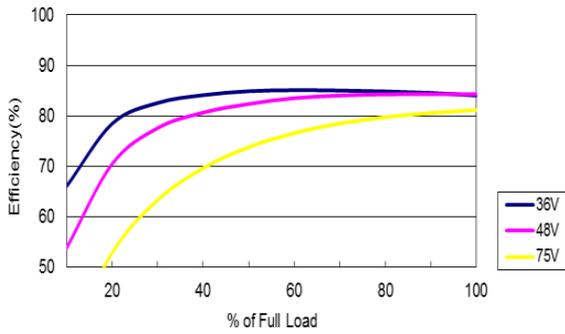
Transient Response to Dynamic Load Change (25%)



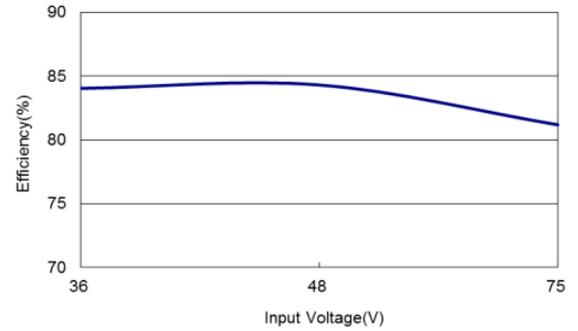
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-4811

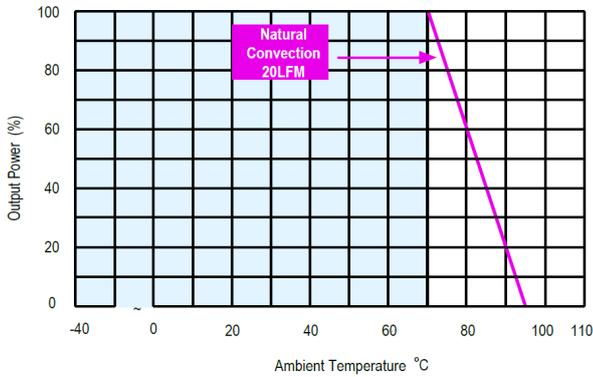
Efficiency versus Output Load



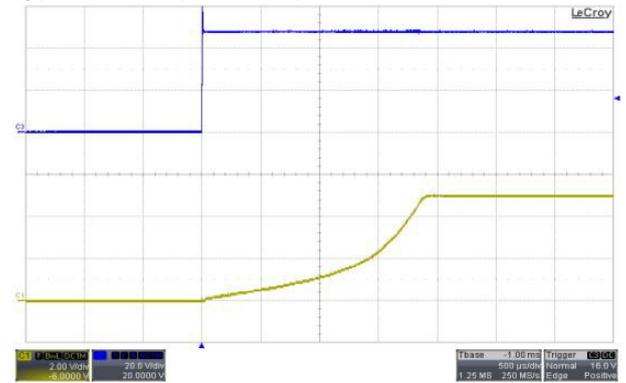
Efficiency versus Input Voltage



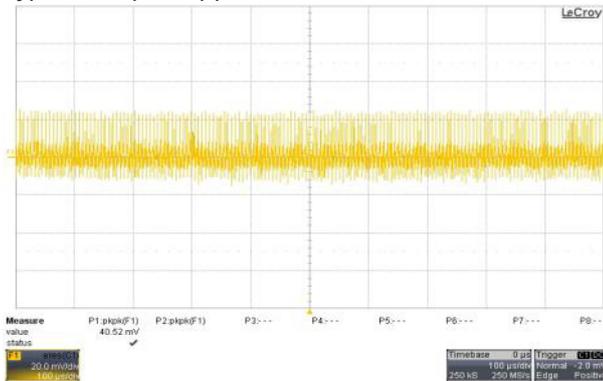
Derating Output Load versus Ambient Temperature



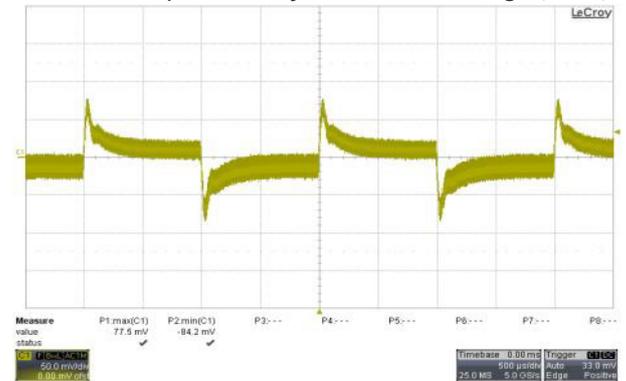
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



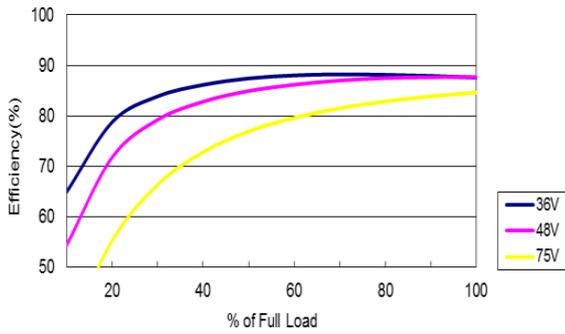
Transient Response to Dynamic Load Change (25%)



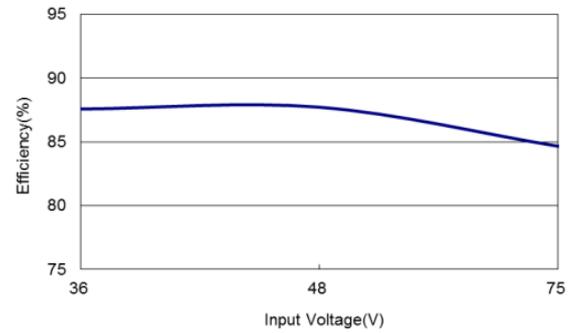
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-4812

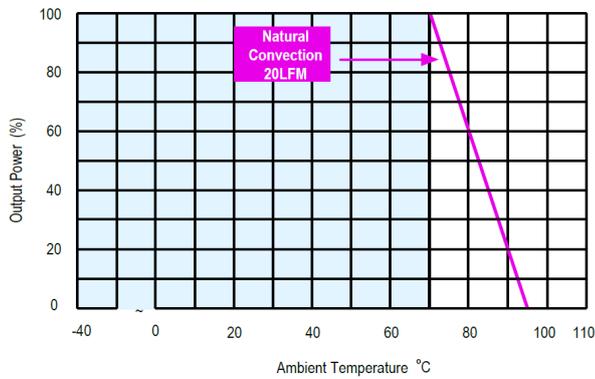
Efficiency versus Output Load



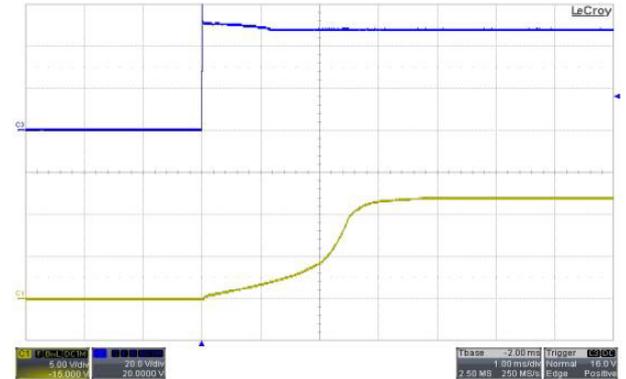
Efficiency versus Input Voltage



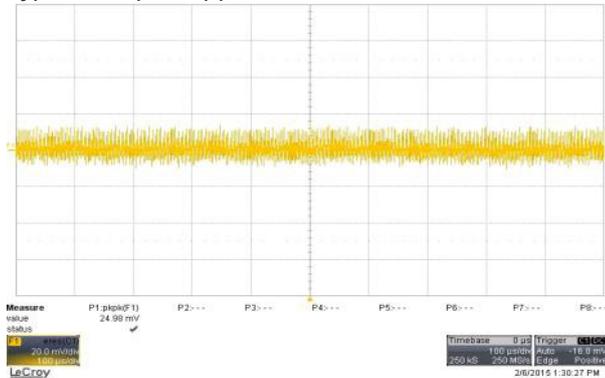
Derating Output Load versus Ambient Temperature



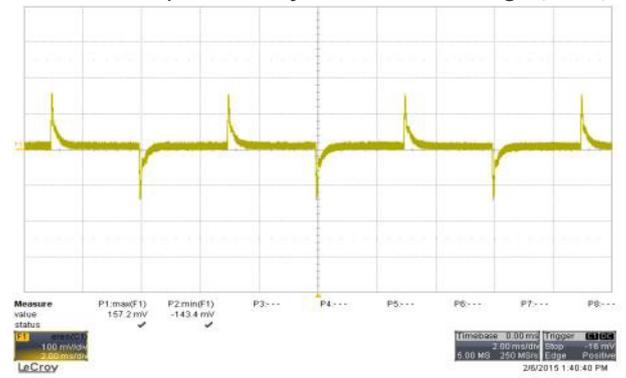
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



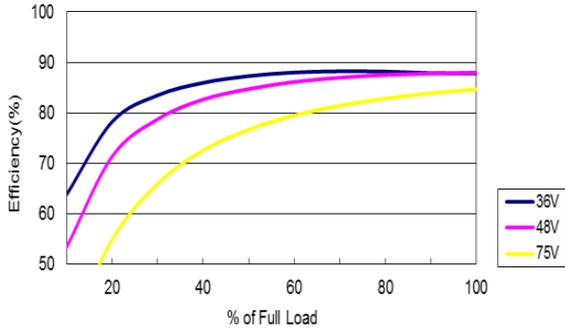
Transient Response to Dynamic Load Change (25%)



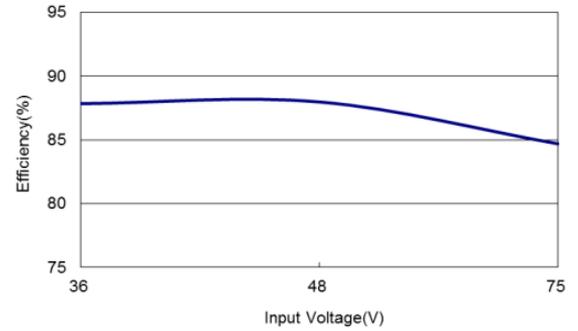
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-4813

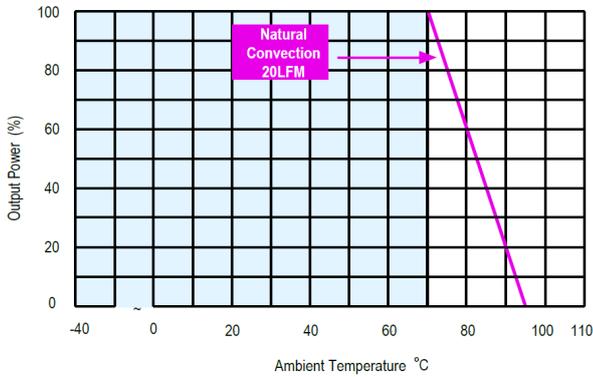
Efficiency versus Output Load



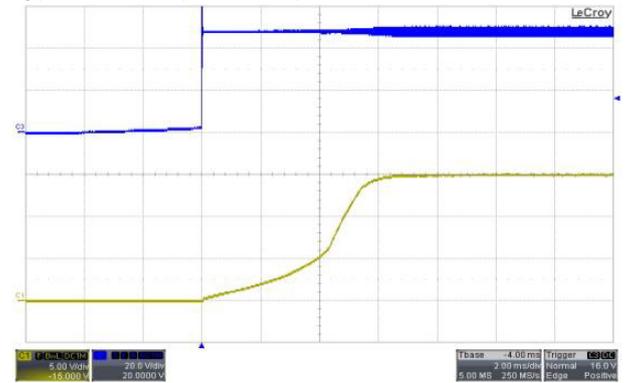
Efficiency versus Input Voltage



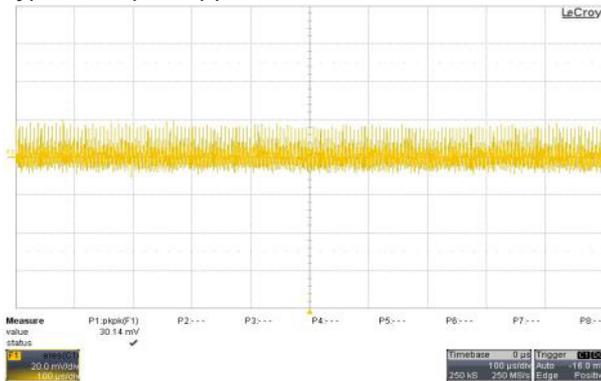
Derating Output Load versus Ambient Temperature



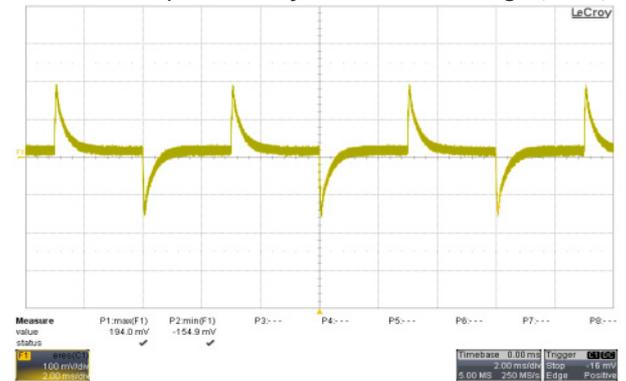
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



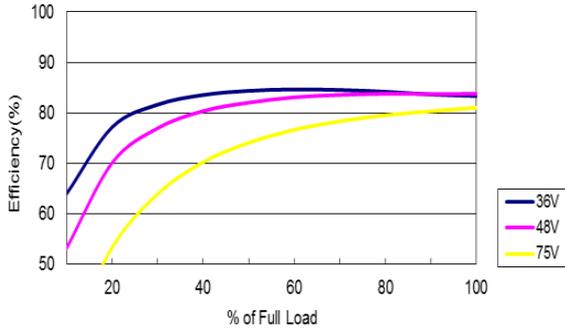
Transient Response to Dynamic Load Change (25%)



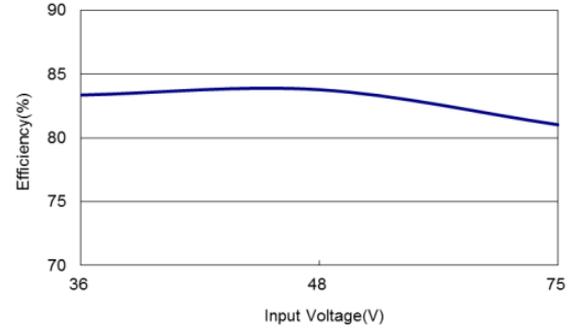
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-4821

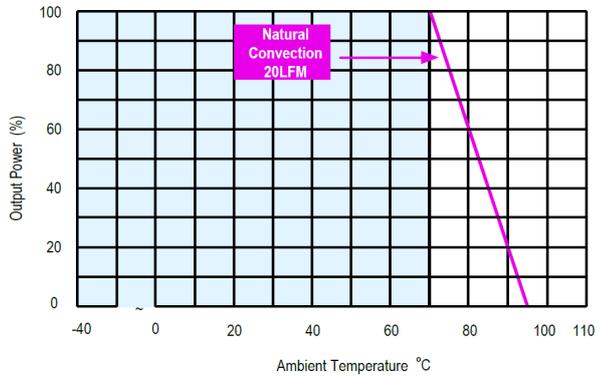
Efficiency versus Output Load



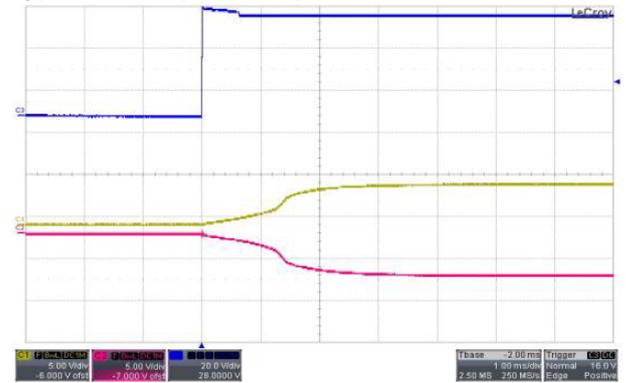
Efficiency versus Input Voltage



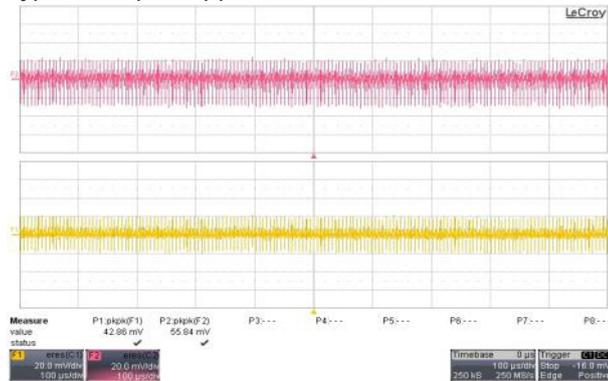
Derating Output Load versus Ambient Temperature



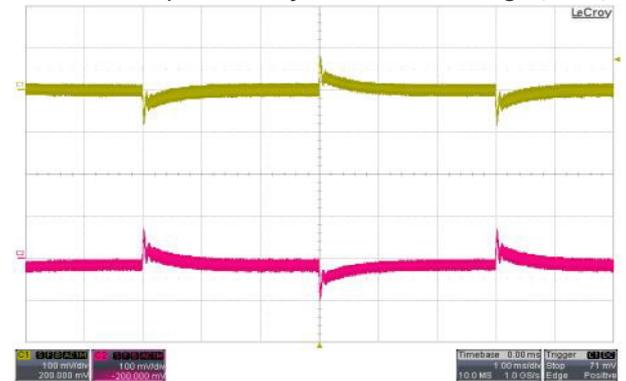
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



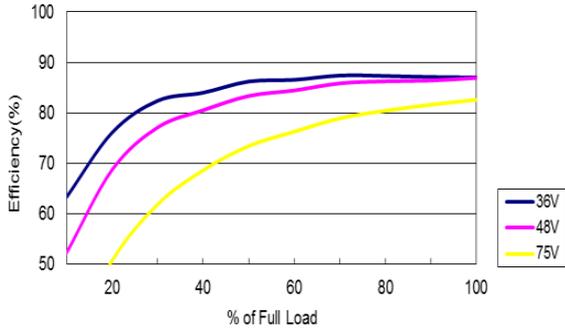
Transient Response to Dynamic Load Change (25%)



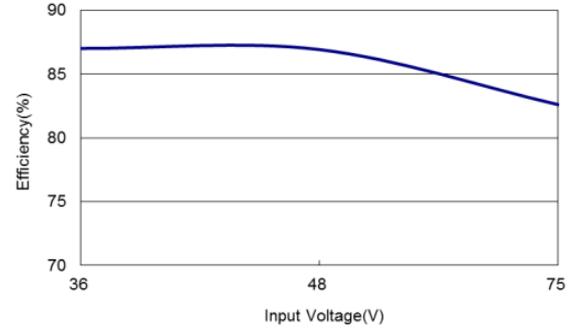
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-4822

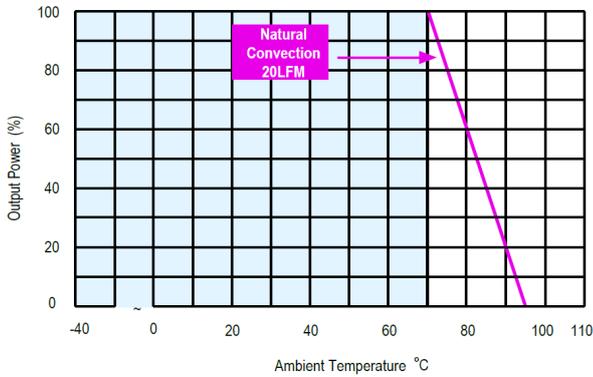
Efficiency versus Output Load



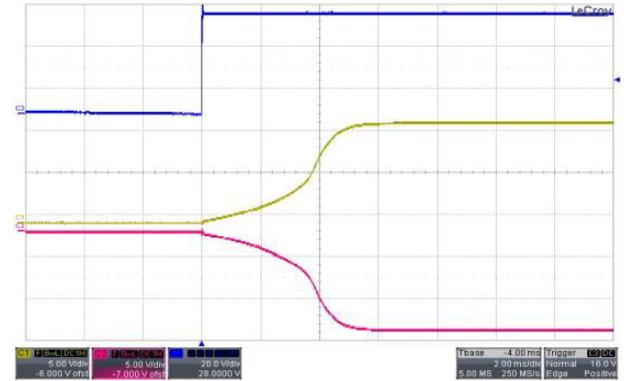
Efficiency versus Input Voltage



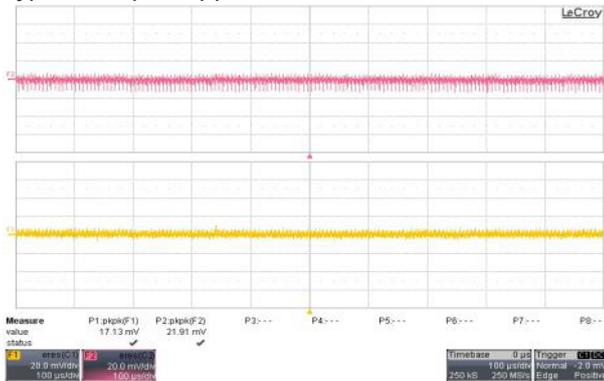
Derating Output Load versus Ambient Temperature



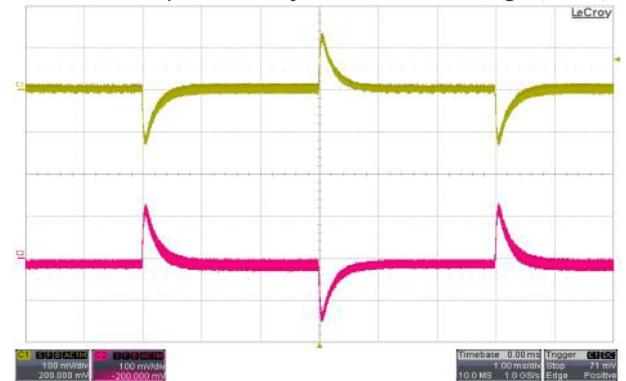
Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



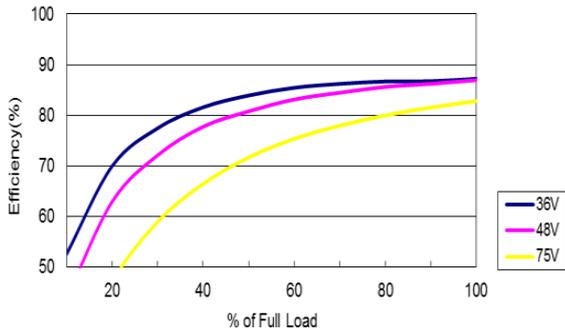
Transient Response to Dynamic Load Change (25%)



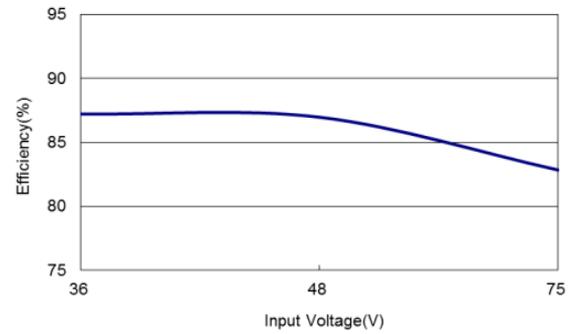
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

### TDL 3-4823

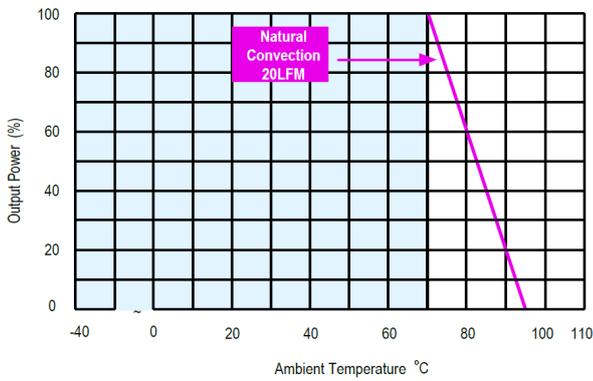
Efficiency versus Output Load



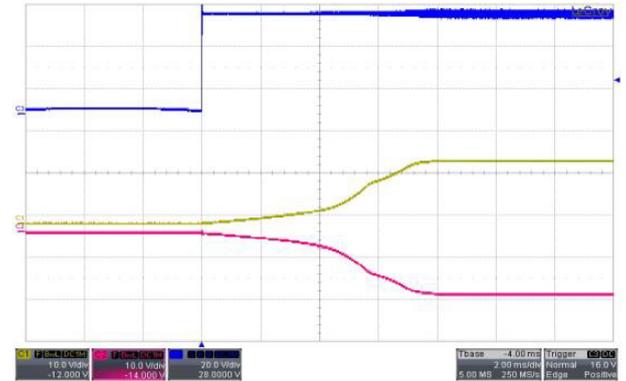
Efficiency versus Input Voltage



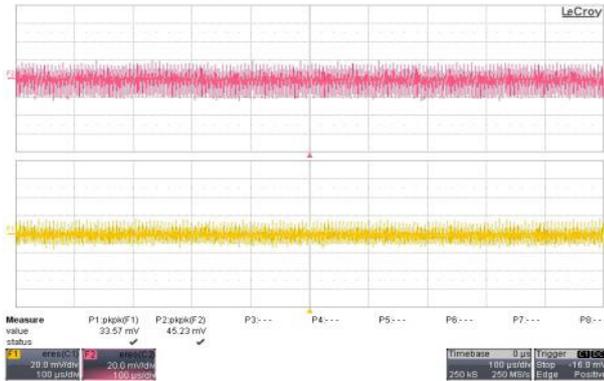
Derating Output Load versus Ambient Temperature



Typical Start-Up and Output Rise Characteristic



Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)

