

- 2:1 Input Range
- Efficiency to 85%
- 300kHz Switching Frequency
- Overvoltage Protection
- Remote Disable
- Six-sided Shield
- External Output Transformer

Specification

All specifications are typical at 25°C, nominal line & 75% load

Input

- *Input Voltage Range* • See Table
- *Input Filter* • π Type

Output

- *Voltage Accuracy* •
 - Single output, $\pm 2\%$ max.
 - Dual + output, $\pm 2\%$ max.
 - Dual - output, $\pm 3\%$ max.
 - Triple 5V, $\pm 2\%$ max.
 - 12V/15V, $\pm 5\%$ max.

Voltage Balance

- *Dual Output at full load* • $\pm 1\%$ max.

Transient Response

- *Single, 25% Step Load Change* • $< 500\mu$ sec
- *Dual, FL=1/2L \pm 1% Error Band* • $< 500\mu$ sec

External Trim

- *Adj. Range* • $\pm 10\%$
- *Ripple & Noise (20MHz BW)* • 10mV RMS, max
75mV p-p max.
- *Temperature Coefficient* • $\pm 0.02\%/^{\circ}\text{C}$ max.
- *Short Circuit Protection* • Indefinite

Line Regulation

- *Single/Dual Output* • $\pm 0.5\%$ max.
- *Triple Output* • $\pm 1.0\%$ max.

Load Regulation

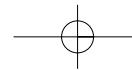
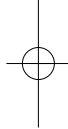
- *Single/Dual Output* • $\pm 1.0\%$ max.
- *Triple Output* • $\pm 5.0\%$ max.

General

- *Efficiency* • See Table
- *Isolation Voltage* • 500 VDC min
- *Isolation Resistance* • 10^9 ohms min.
- *Switching Frequency* • 300 kHz
- *Case Grounding* • Capacity Coupled
- *Operating Temperature Range* • -25°C to $+100^{\circ}\text{C}$
- *Storage Temperature Range* • -55°C to $+105^{\circ}\text{C}$

Environmental

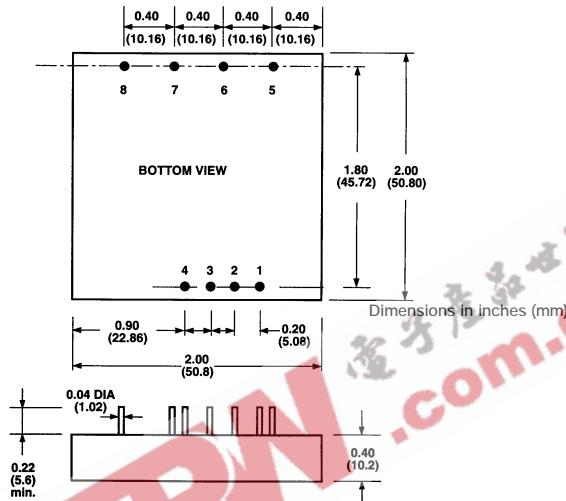
- *EMI/RFI* • Six-sided Continuous Shield
- *Case Temperature* • 100°C max
- *Case Material* • Black Coated Copper
Non-Conductive Base
- *Dimensions* • 2 x 2 x 0.40 inches
(50.8 x 50.8 x 10.2)
- *Safety Approvals* • UL1950 for Universal Input



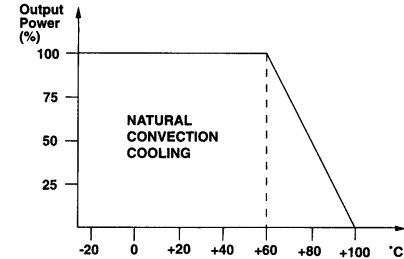
WF106	9-18 VDC	±15.0 VDC	±1000 mA	35 mA	3050 mA
WF107	9-18 VDC	5.0/±12.0 VDC	3500/±310 mA	35 mA	2640 mA
WF108	9-18 VDC	5.0/±15.0 VDC	3500/±250 mA	35 mA	2640 mA
WF200	18-36 VDC	3.3 VDC	5000 mA	30 mA	920 mA
WF201	18-36 VDC	5.0 VDC	5000 mA	30 mA	1336 mA
WF202	18-36 VDC	12.0 VDC	2500 mA	30 mA	1525 mA
WF203	18-36 VDC	15.0 VDC	2000 mA	30 mA	1525 mA
WF204	18-36 VDC	±5.0 VDC	±2500 mA	30 mA	1336 mA
WF205	18-36 VDC	±12.0 VDC	±1250 mA	30 mA	1470 mA
WF206	18-36 VDC	±15.0 VDC	±1000 mA	30 mA	1470 mA
WF207	18-36 VDC	5.0/±12.0 VDC	3500/±310 mA	30 mA	1320 mA
WF208	18-36 VDC	5.0/±15.0 VDC	3500/±250 mA	30 mA	1320 mA
WF300	36-72 VDC	3.3 VDC	5000 mA	20 mA	460 mA
WF301	36-72 VDC	5.0 VDC	5000 mA	20 mA	660 mA
WF302	36-72 VDC	12.0 VDC	2500 mA	20 mA	765 mA
WF303	36-72 VDC	15.0 VDC	2000 mA	20 mA	765 mA
WF304	36-72 VDC	±5.0 VDC	±2500 mA	25 mA	660 mA
WF305	36-72 VDC	±12.0 VDC	±1250 mA	25 mA	735 mA
WF306	36-72 VDC	±15.0 VDC	±1000 mA	25 mA	735 mA
WF307	36-72 VDC	5.0/±12.0 VDC	3500/±310 mA	25 mA	655 mA
WF308	36-72 VDC	5.0/±15.0 VDC	3500/±250 mA	25 mA	655 mA

For optional UL1950 approved product, add suffix "U" to part number.

Mechanical Details



OPERATING LIMITS AND OUTPUT POWER RANGE



Triple Output Loading Table⁽¹⁾

Output (Pin No.)	Voltage	Amperes	
		Min. ⁽²⁾	Max.
7	+5	0.50	
8 & 5	+12 or -12	0.10	
8 & 5	+15 or -15	0.10	

Notes:

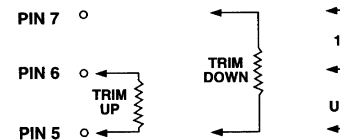
- Maximum total power from all outputs is limited to 25 watts and is not allowed to exceed its maximum current.
- Minimum current on each output is required to maintain specification.

Pin Connections

Pin	Single Output	Dual Output	Triple Output
1	REMOTE ON/OFF	REMOTE ON/OFF	REMOTE ON/OFF
2	NO PIN	NO PIN	NO PIN
3	-VIN	-VIN	-VIN
4	+VIN	+VIN	+VIN
5	OUTPUT TRIM	OUTPUT TRIM	-OUTPUT
6	-OUTPUT	-OUTPUT	COMMON
7	+OUTPUT	COMMON	+5V OUTPUT
8	NO PIN	+OUTPUT	+OUTPUT

EXTERNAL OUTPUT TRIMMING

Output may optionally be externally trimmed by adding a fixed resistor or an external trimpot as shown.



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