

15 Watt

2x1 Inch Package B 2:1 Input Range - Metal Case



- o Wide Input Range
- o Pi Input Filter
- o Regulated Outputs
- o Efficiency up to 83%
- o Continuous Short Circuit Protection
- o Conductive EMI/RFI Meets EN55022 Class A
- o Option Remote Control add Suffix "R"
- o Option Trim at Single Output add Suffix "T"



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		%EFF
				NO LOAD	FULL LOAD	
15BRS12W3.3LC	9-18 VDC	3.3 VDC	3000 mA	20 mA	1086 mA	76
15BRS12W5LC		5 VDC	3000 mA		1602 mA	78
15BRS12W12LC		12 VDC	1250 mA		1524 mA	82
15BRS12W15LC		15 VDC	1000 mA			
15BRD12W5LC		±5 VDC	±1500 mA	30 mA	1563 mA	80
15BRD12W12LC		±12 VDC	±625 mA		1506 mA	83
15BRD12W15LC		±15 VDC	±500 mA			
15BRS24W3.3LC	18-36 VDC	3.3 VDC	3000 mA	20 mA	543 mA	76
15BRS24W5LC		5 VDC	3000 mA		780 mA	80
15BRS24W12LC		12 VDC	1250 mA		762 mA	82
15BRS24W15LC		15 VDC	1000 mA			
15BRD24W5LC		±5 VDC	±1500 mA	25 mA	772 mA	81
15BRD24W12LC		±12 VDC	±625 mA		755 mA	83
15BRD24W15LC		±15 VDC	±500 mA			
15BRS48W3.3LC	36-72 VDC	3.3 VDC	3000 mA	15 mA	271 mA	76
15BRS48W5LC		5 VDC	3000 mA		391 mA	80
15BRS48W12LC		12 VDC	1250 mA		377 mA	83
15BRS48W15LC		15 VDC	1000 mA			
15BRD48W5LC		±5 VDC	±1500 mA	20 mA	381 mA	82
15BRD48W12LC		±12 VDC	±625 mA		377 mA	83
15BRD48W15LC		±15 VDC	±500 mA			

SPECIFICATIONS

All Specifications Typical At Nominal Line, Full Load, and 25°C Unless Otherwise Noted

INPUT SPECIFICATIONS

Input Voltage Range	2:1
Input Filter	Pi Type

OUTPUT SPECIFICATIONS

Voltage Accuracy	±1% max.
Voltage Balance Dual Output at Full Load	±1% max.
Transient Response Single: 25% Step Load Change Dual: Full Load to 1/2 Load ±1% Error Band	<500 µsec
Temperature Coefficient	±0.02%/°C max.
Ripple and Noise, 20MHz BW	75 mV p-p max.
Short Circuit Protection	Continuous
Line Regulation ¹	±0.2% max.
Load Regulation ²	±1.0% max.

NOTE:

- 1.Line Regulation measured from High Line to Low Line.
- 2.Load Regulation measured from Full Load to 1/4 Load.

GENERAL SPECIFICATION

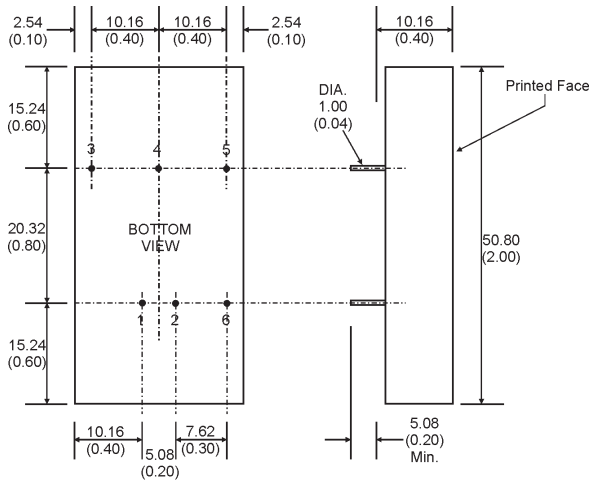
Efficiency	see table
Isolation Voltage	500 VDC min.
Isolation Resistance	100 Mohms min.
Switching Frequency	300 kHz
Operating Temperature Range	-25°C to +71°C
Storage Temperature Range	-40°C to +100°C
Case Temperature	+100°C max.
Derating >+71°C	-3.5%/°C
EMI/RFI	EN55022 Class A Six-Sided Continuous Shield
Case Material	Black Coated Copper with Non-Conductive Base
Dimensions	50.8 x 25.4 x 10.2 mm (2.0 x 1.0 x 0.4 Inches)
MTBF (MIL-HDBK-217F)	min. 1.007.000 hrs
Remote Control	add Suffix "R"
Trim Function at Single Output	add Suffix "T"

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MECHANICAL SPECIFICATIONS

Case "B"



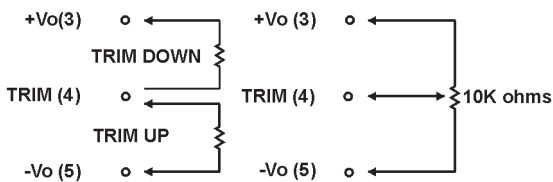
All Dimensions in mm (Inches)
Tolerance: x.xx = ±0.04, x.xxx = ±0.010

PIN CONNECTIONS

PIN	SINGLE	DUAL
1	+INPUT	+INPUT
2	-INPUT	-INPUT
3	+OUTPUT	+OUTPUT
4	NO PIN / TRIM*	COMMON
5	-OUTPUT	-OUTPUT
6	NO PIN / REMOTE CTRL.*	NO PIN / REMOTE CTRL.*

*Optional Function Trim/Remote Ctrl.

External Output Trimming



REMOTE ON/OFF CONTROL

Logic Compatibility	CMOS or Open Collector TTL
Ec-ON	>+5.5VDC or Open Circuit
Ec-OFF	<1.8VDC
Control Common	Referenced to Input Minus

NOTICE:

The information in this document has been carefully checked. However, no responsibility is assumed for inaccuracies! Specifications can be changed without notice. The latest and most complete information can be found on our website.