

15 Watt**2x2 Inch Package A & D****2:1 Input Range
Ultra Low Profile**

- o Wide Input Range
- o Pi Input Filter
- o Short Circuit Protection Current Limit
- o Regulated Output
- o Single & Dual Output
- o Option Conductive EMI/RFI Meet EN55022 Class B

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		%EFF
				NO LOAD	FULL LOAD	
15ARS12W3.3LC	9-18 VDC	3.3 VDC	3000 mA	30 mA	1178 mA	70
15ARS12W5LC		5 VDC	3000 mA		1660 mA	75
15ARS12W12LC		12 VDC	1250 mA		1625 mA	78
15ARS12W15LC		15 VDC	1000 mA			
15ARD12W5LC		±5 VDC	±1500 mA	35 mA	1620 mA	77
15ARD12W12LC		±12 VDC	±625 mA			
15ARD12W15LC		±15 VDC	±500 mA			
15ARS24W3.3LC	18-36 VDC	3.3 VDC	3000 mA	15 mA	557 mA	74
15ARS24W5LC		5 VDC	3000 mA	20 mA	812 mA	78
15ARS24W12LC		12 VDC	1250 mA		772 mA	81
15ARS24W15LC		15 VDC	1000 mA			
15ARD24W5LC		±5 VDC	±1500 mA	25 mA	780 mA	80
15ARD24W12LC		±12 VDC	±625 mA			
15ARD24W15LC		±15 VDC	±500 mA			
15ARS48W3.3LC	36-72 VDC	3.3 VDC	3000 mA	20 mA	271 mA	76
15ARS48W5LC		5 VDC	3000 mA	10 mA	390 mA	80
15ARS48W12LC		12 VDC	1250 mA	15 mA	381 mA	82
15ARS48W15LC		15 VDC	1000 mA			
15ARD48W5LC		±5 VDC	±1500 mA	20 mA	386 mA	81
15ARD48W12LC		±12 VDC	±625 mA			
15ARD48W15LC		±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
Reverse Voltage Protection	Use External Fuse
Determine the correct fuse size by calculating the maximum DC current drain at low line input, maximum load and then adding 20 to 25 % to get the desired fuse size.	

OUTPUT SPECIFICATIONS

Voltage Accuracy	Single & Dual Dual	+Output -Output	±1% max. ±3% max.
Voltage Balance, Dual Output at Full Load	±1% max.		
Transient Response, Single, 25% Step Load Change Dual, Full Load to Half Load ±1% Error Band	<500 µsec.		
Ripple and Noise, 20MHz BW	10 mV RMS max. 75 mV p-p max.		
Temperature Coefficient	±0.02%/°C		
Short Circuit Protection/Over Load Protection	Indefinite & Current Limit see diagrams		
Line Regulation ¹⁾	±0.2% max.		
Load Regulation ²⁾	±1% max.		

1) Line Regulation measured from High Line to Low Line.

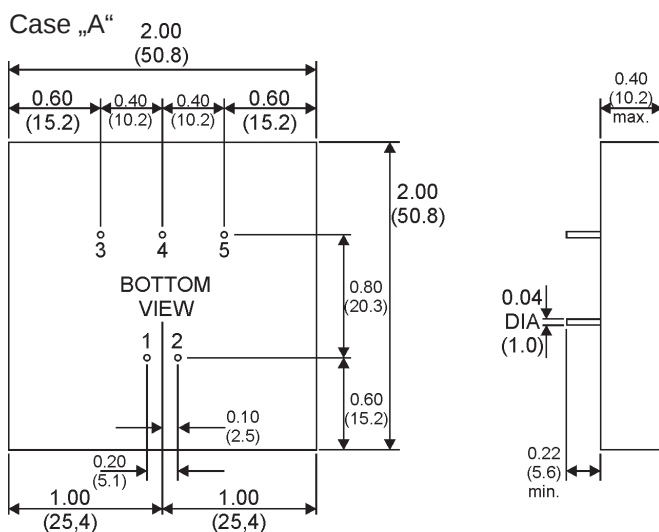
2) Load Regulation measured from Full Load to 1/4 Load.

GENERAL SPECIFICATION

Efficiency	see table
Isolation Voltage	500 VDC min.
Isolation Resistance	1000 Mohms
Switching Frequency	200 kHz
Operating Temperature Range	-25°C to +71°C
Case Temperature	+100°C max.
Storage Temperature Range	-40°C to +100°C
Cooling	Free-Air Convection
Derating >+71°C	-3.5%/°C
EMI/RFI Standard Suffix "B"	Six-Sided Continuous Shield Meet EN55022 Class B
Case Material	Black Coated Copper with Non-Conductive Base
MTBF (MIL-HDBK-217F)	min. 888.000 hrs
Dimensions	2.0 x 2.0 x 0.4 Inches (50.8 x 50.8 x 10.2 mm)

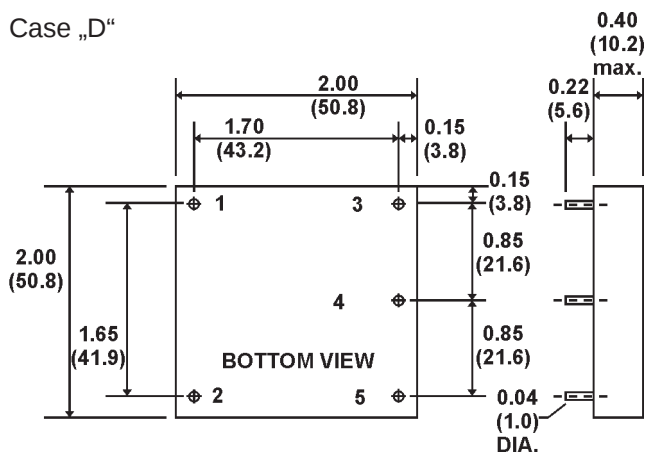
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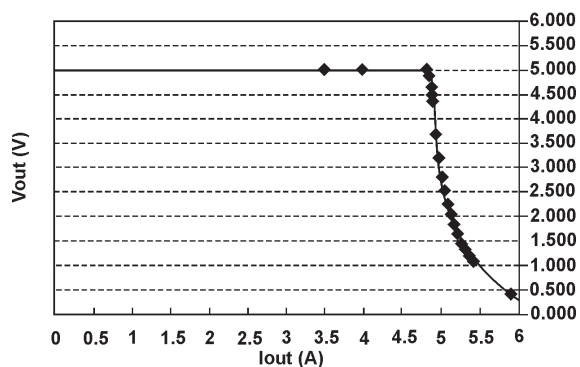
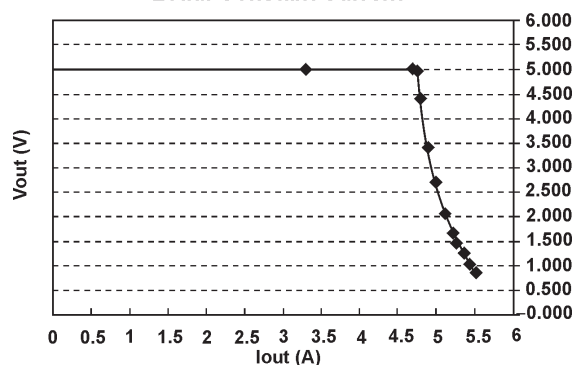
MECHANICAL SPECIFICATIONS

All Dimensions in Inches (mm)
Tolerance .XX=±0.04, .XXX=±0.010

PIN CONNECTIONS		
PIN	SINGLE	DUAL
1	+INPUT	+INPUT
2	-INPUT	-INPUT
3	+OUTPUT	+OUTPUT
4	NO PIN	COMMON
5	-OUTPUT	-OUTPUT



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

APPLICATION NOTES & DIAGRAMS**Over Load Protection Model 15ARS12W5LC (12Vin)****Load: Resistor****Load: Constant Current**

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.