

15 Watt**2.56x3 Inch Package E**
4:1 Input Range

- o Wide Input Range
- o Pi Input Filter
- o Efficiency up to 82%
- o Single, Dual & Triple Output
- o Remote On/Off Control
- o Continuous Short Circuit Protection



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		% EFF
				NO LOAD	FULL LOAD	
15ERS24X5LC	9-36 VDC	5 VDC	3000 mA	15 mA	810 mA	77
15ERS24X12LC		12 VDC	1250 mA		780 mA	80
15ERS24X15LC		15 VDC	1000 mA			
15ERD24X12LC		±12 VDC	±625 mA	20 mA		
15ERD24X15LC		±15 VDC	±500 mA			
15ERT24X5/12LC		5/±12 VDC	1500/±310 mA			
15ERT24X5/15LC		5/±15 VDC	1500/±250 mA			
15ERT24X12/5LC		+5/+12/-5 VDC	1500/310/500 mA	715 mA		
15ERS48X5LC	18-72 VDC	5 VDC	3000 mA	10 mA	410 mA	77
15ERS48X12LC		12 VDC	1250 mA		390 mA	80
15ERS48X15LC		15 VDC	1000 mA			
15ERD48X12LC		±12 VDC	±625 mA	15 mA	380 mA	82
15ERD48X15LC		±15 VDC	±500 mA			
15ERT48X5/12LC		5/±12 VDC	1500/±310 mA			
15ERT48X5/15LC		5/±15 VDC	1500/±250 mA			
15ERT48X12/5LC		+5/+12/-5 VDC	1500/310/500 mA		350 mA	

SPECIFICATIONS

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

INPUT SPECIFICATIONS

Input Voltage Range	4:1
Input Filter	Pi Type

OUTPUT SPECIFICATIONS

Voltage Accuracy	Single & Dual +Output	±1% max.
	Dual -Output	±3% max.
	Triple 5V Output	±2% max.
	Triple 12V/15V Output	±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.
External Trim Adj. Range		±10%
Ripple and Noise, 20MHz BW		10 mV RMS max. 75 mV p-p max.
Temperature Coefficient		±0.02%/°C max.
Short Circuit Protection		Continuous
Line Regulation ¹⁾	Single & Dual Output	±0.2% max.
	Triple Output	±1.0% max.
Load Regulation ²⁾	Single & Dual Output	±1.0% max.
	Triple Output	±5.0% 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	-55°C to +105°C
Cooling	Free Air Convection
Derating >+71°C	-3.5%/°C
EMI/RFI	Six-Sided Continuous Shield
Dimensions	2.56 x 3.0 x 0.83 Inches (65 x 76.2 x 21.1 mm)
Case Material	Black Coated Copper with Non-Conductive Base
MTBF (MIL-HDBK-217F)	min. 611.000 hrs

