

SPECIFICATIONS

Input Specifications

Input Voltage Range,	
12V.....	9-18V
24V.....	18-32V
48V.....	36-72V
Input Filter.....	LC Type
Protection Against Low and High input Voltage:	
12V.....	8-22V
24V.....	15-44V
48V.....	30-88V

Note:

Power supply Remains OFF until Input Voltage Return to Its Nominal Range.

Output Specifications

Voltage Accuracy Single Output.....	± 1%max.
Transient Response,	
Single, 25 % Step load change	< 500 μ sec.
Dual, FL-1/2L ± 1% Error Band	< 500 μ sec.
Ripple and Noise 20Mhz BW	10mV RMS, max. 60mV p-p, max.
Temperature Coefficient.....	±0.02%/°C, max.
Short Circuit Protection.....	infinity
Over voltage Protection,	
5V.....	5.9V
12V.....	15V
15V.....	18V
Line Regulations	±0.2% max.
Load Regulations.....	±1% max.

General Specifications

Efficiency.....	See Table
Isolation Voltage.....	500 VDC min.
Isolation Resistance	10 ⁹ ohms min.
Switching Frequency.....	160 KHz
Case Grounding.....	Coupled To input +
Operating Temperature	
Range	-25°C to +70°C
Storage Temperature Range.....	-55°C to +105°C
Emi/Rfi.....	Five-Sided Continuous Shield
Dimensions.....	2.0 x 2.0 x 0.5 inches (51 x 51 x 13 mm.)

For single Out put only	
Opt. Remote ON/OFF Control - SUFFIX R	
Logic Compatibility.....	Open Collector
Ec-on.....	Open Circuit
Ec-off.....	< 0.7 VDC
Shutdown idle current	10 mA
Control Common ...	Referenced to Input Minus

PS-XX15 series



Main Features

- 2:1 Input Range
- 15W Isolated Output
- Efficiency up to 86%
- Remote On/Off Control
- 160 KHz Switching Frequency
- Five-sided shield

All specifications typical at nominal line , Full Load , and 25°C Unless Otherwise Noted .

Model Number	Input Voltage Range	Output Voltage	Output Current	Input Current ¹		% eff
				No Load	Full Load	
PS 9-15-5	9-18 VDC	5 VDC	3000 mA	30 mA	1700 mA	75
PS 9-15-12	9-18 VDC	12 VDC	1250 mA	30 mA	1600 mA	78
PS 9-15-15	9-18 VDC	15 VDC	1000 mA	30 mA	1600 mA	78
PSD 9-15-12	9-18 VDC	±12 VDC	± 625 mA	25 mA	1520 mA	82
PSD 9-15-15	9-18 VDC	±15 VDC	± 500 mA	25 mA	1520 mA	82
PS 24-15-5	18-36 VDC	5 VDC	3000 mA	20 mA	810 mA	77
PS 24-15-12	18-36 VDC	12 VDC	1250 mA	20 mA	780 mA	80
PS 24-15-15	18-36 VDC	15 VDC	1000 mA	20 mA	780 mA	80
PSD 24-15-12	18-36 VDC	±12 VDC	± 625 mA	25 mA	750 mA	84
PSD 24-15-15	18-36 VDC	±15 VDC	± 500 mA	25 mA	750 mA	84
PS 48-15-5	36-72 VDC	5 VDC	3000 mA	20 mA	410 mA	77
PS 48-15-12	36-72 VDC	12 VDC	1250 mA	20 mA	390 mA	80
PS 48-15-15	36-72 VDC	15 VDC	1000 mA	20 mA	390 mA	80
PSD 48-15-12	36-72 VDC	±12 VDC	± 625 mA	15 mA	365 mA	86
PSD 48-15-15	36-72 VDC	±15 VDC	± 500 mA	15 mA	365 mA	86

¹ Input Current @ nominal input 12V,24V ,48V

Outline Dimensions:

