

ALL PSU DATA SHEET

15 Watts, DC-DC Converter FEC15 Series (Single & Dual Outputs)

- 2 : 1 Input Ranges
- Pi Input Filter
- Isolated & Regulated Output
- Short Circuit Protection
- Six Sided Shielding
- Compact 2 x 1" Foot-print
- High Efficiency Up To 88%
- Convection Cooled
- Optional Remote on/off



Electrical Specification, All specification are typical at nominal input, full load, and 25°C

<p>Input Voltage Range</p> <p>Input Filter</p> <p>Output Voltage Accuracy</p> <p>Ripple & Noise (20MHz BW)</p> <p>Line Regulation (LL to HL @ Full Load)</p> <p>Load Regulation (10 to 100%)</p> <p>Temperature Coefficient</p> <p>Short Circuit Protection</p> <p>Transient Response Recovery Time</p> <p>Switching Frequency (Fixed)</p> <p>Isolation Voltage</p> <p>Operating Temperature Range</p> <p>Storage Temperature Range</p> <p>Cooling</p> <p>EMI / RFI</p> <p>MTBF</p> <p>Case Material</p> <p>Dimensions</p>	<p>12 Volts Nominal = 9-18VDC</p> <p>24 Volts Nominal = 18-36VDC</p> <p>48 Volts Nominal = 36-75VDC</p> <p>Pi Type</p> <p>+/- 1%</p> <p>50mV P-P Single Output</p> <p>75mV P-P Dual Output</p> <p>+/- 1%</p> <p>+/-1% Single Output</p> <p>+/-2% Dual Output</p> <p>+/-0.02% / °C, Max</p> <p>Hiccup, automatic recovery</p> <p>25% Load step change = 500uS</p> <p>500KHz Single Output</p> <p>300KHz Dual Output</p> <p>1600 VDC</p> <p>-40°C - +85°C (with derating)</p> <p>-55°C - +105°C</p> <p>Free Air Convection</p> <p>Six Sided Continuous Shield</p> <p>2.041 x 10 to the 6 Hours</p> <p>Nickel Coated Copper With Non Conductive Base</p> <p>2.00 x 1.00 x 0.40 Inch</p> <p>50.8 x 25.4 x 10.2 mm</p>
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Single Output Models, (Scroll Down For Dual Outputs)

Model Number	Input Voltage	Output Voltage	Output Current	Efficiency (%)
FEC15-12S33	9-18 VDC	3.3 VDC	4000 mA	79 %
FEC15-12S05	9-18 VDC	5 VDC	3000 mA	82 %
FEC15-12S12	9-18 VDC	12 VDC	1250 mA	86 %
FEC15-12S15	9-18 VDC	15 VDC	1000 mA	86 %
FEC15-24S33	18-36 VDC	3.3 VDC	4000 mA	80 %
FEC15-24S05	18-36 VDC	5 VDC	3000 mA	84 %
FEC15-24S12	18-36 VDC	12 VDC	1250 mA	85 %
FEC15-24S15	18-36 VDC	15 VDC	1000 mA	85 %
FEC15-48S33	36-75 VDC	3.3 VDC	4000 mA	81 %
FEC15-48S05	36-75 VDC	5 VDC	3000 mA	83 %
FEC15-48S12	36-75 VDC	12 VDC	1250 mA	87 %
FEC15-48S15	36-75 VDC	15 VDC	1000 mA	86 %

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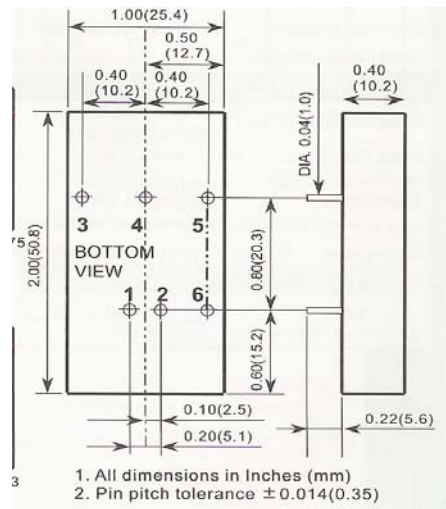
Cont....15 Watts, DC-DC Converter FEC15 Series

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Dual Output Models, (Please See Above For Single Output Models)

Model	Input Voltage	Output Voltage	Output Current	Efficiency (%)
FEC15-12D05	9-18 VDC	+/- 5 VDC	+/- 1500 mA	83 %
FEC15-12D12	9-18 VDC	+/-12 VDC	+/- 625 mA	86 %
FEC15-12D15	9-18 VDC	+/-15 VDC	+/- 500 mA	84 %
FEC15-24D05	18-36 VDC	+/- 5 VDC	+/- 1500 mA	84 %
FEC15-24D12	18-36 VDC	+/- 12 VDC	+/- 625 mA	86 %
FEC15-24D15	18-36 VDC	+/- 15 VDC	+/- 500 mA	86 %
FEC15-48D05	36-75 VDC	+/- 5 VDC	+/- 1500 mA	85 %
FEC15-48D12	36-75 VDC	+/- 12 VDC	+/- 625 mA	88 %
FEC15-48D15	36-75 VDC	+/- 15 VDC	+/- 500 mA	87 %

Mechanical Drawing / Pin Out Connections.



Pin	Single Output	Dual Output
1	+ V in	+ V in
2	- V in	- V in
3	+ V out	+ V out
4	No Pin	Common
5	- V out	- V out
6	Remote on/off (option)	Remote on/off (option)

Further DC-DC Converters Are Available From 0.5 To 2400 Watts
Please Visit www.allpsu.co.uk or Contact Sales Office For More Details

Specifications May Change Without Notice, E&OE
ALL PSU Terms And Conditions Apply

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