

30 Watt DC-DC Converter, FEC30-W Series. (Single Output)

- * 4:1 Input Ranges
- * L-C Input Filter
- * Isolated & Regulated Output
- * Over Volts / Current Protection
- * Six Sided Shielding
- * Convection Cooled
- * Output Trim & Remote on/off



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

Input Voltage Range	See Model Table
Input Filter	L-C Type
Output Voltage Accuracy	+/- 1%
Ripple & Noise (20MHz BW)	75mVp-p
Line Regulation (LL to HL @ Full Load)	+/- 0.5%
Load Regulation (10 to 100%)	+/-0.5%
Temperature Coefficient	+/-0.02% / °C
Short Circuit Protection	Hiccup, automatic recovery
Transient Response Recovery Time	25% Step Load Change = 300uS
Switching Frequency	300 KHz
Remote on/off	Open = On
Isolation Voltage	1600 VDC
Operating Temperature Range	-40 to +85°C (with derating)
Storage Temperature Range	-55 to +105°C
EMI / RFI	Six Sided Continuous Shield
MTBF	1.315 x10 to the 6 Hours
Case Material (non conductive base)	Nickel Coated Copper
Dimensions	50.8 x 40.6 x 10.2mm

Single Output Models

Model Number	Input Range VDC	Output Voltage DC	Output Current	Efficiency
FEC30-24S1P8W	10~40	1.8	8000 mA	80 %
FEC30-24S2P5W	10~40	2.5	8000 mA	85 %
FEC30-24S3P3W	10~40	3.3	6000 mA	87 %
FEC30-24S05W	10~40	5	6000 mA	87 %
FEC30-24S12W	10~40	12	2500 mA	87 %
FEC30-24S15W	10~40	15	2000 mA	88 %
FEC30-48S1P8W	18~75	1.8	8000 mA	81 %
FEC30-48S2P5W	18~75	2.5	8000 mA	86 %
FEC30-48S3P3W	18~75	3.3	6000 mA	87 %
FEC30-48S05W	18~75	5	6000 mA	88 %
FEC30-48S12W	18~75	12	2500 mA	87 %
FEC30-48S15W	18~75	15	2000 mA	88 %

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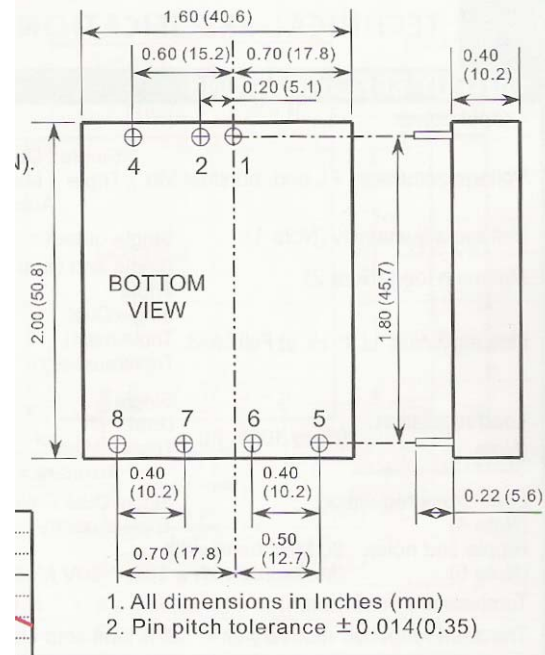
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ALL PSU DATA SHEET.

Cont ... 30 Watt DC-DC Converter, FEC30-W Series.

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Mechanical Drawing / Pin Out Connections



Pin Number	Connection Single
1	+ V in
2	- V in
4	Remote on/off
5	No Pin
6	+ V out
7	- V out
8	Output TRIM

Should You Require Any Further Details Please Contact The ALL PSU Sales Office.

For Our Full Range Of Converters From 0.5 Watt To 2400 Watts
Please See Our Web Site At
www.allpsu.co.uk

Specifications may change without notice, E&OE. ALL PSU Terms & Conditions Apply.

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