

- 17W Isolated DC/DC Converter
- 18 ~ 75 VDC Input
- 3.3 / 5 / 12 VDC Outputs

Features:

- High efficiency: 87% @ 12V/1.3A
- Industry standard 1x2 pinout
- Size: 27.9x24.4x8.5mm (1.10"x0.96"x0.33")
- SMT and Through-hole versions
- Fixed frequency operation
- 4:1 input voltage range
- Input UVLO,
- Output OCP, OVP and OTP
- Output voltage trim $\pm 10\%$
- 2250V isolation and basic insulation
- No minimum load required
- ISO 9001, TL 9000, ISO 14001, QS 9000, OHSAS18001 certified manufacturing facility
- UL/cUL 60950 (US & Canada) Recognized, and TUV (EN60950) certified.
- CE mark meets 73/23/EEC and 93/68/EEC directives



SPECIFICATIONS



GENERAL SPECIFICATIONS			OUTPUT SPECIFICATIONS		
Input Voltage		18 ~ 75V	Voltage Accuracy	Typical	$\pm 1.5\%$
Switching Frequency	Typical	450KHz	Line Regulation	Typical	$\pm 0.1\%$
Isolation Voltage	In/Out	2250V	Load Regulation	Typical	$\pm 0.1\%$
Isolation Capacitance	Typical	1nF	Ripple & Noise	Typical	50 mV
Isolation Resistance	Minimum	10M ohm	Current Limits	Typical	160%
MTBF	Bellcore	5.74M hours (12V)	Over Voltage	Typical	125%
Size	(1.10" x 0.96" x 0.34")	27.9mmx24.4mmx8.5mm	Voltage Trim		+10%, -10%

PART NUMBERING SYSTEM

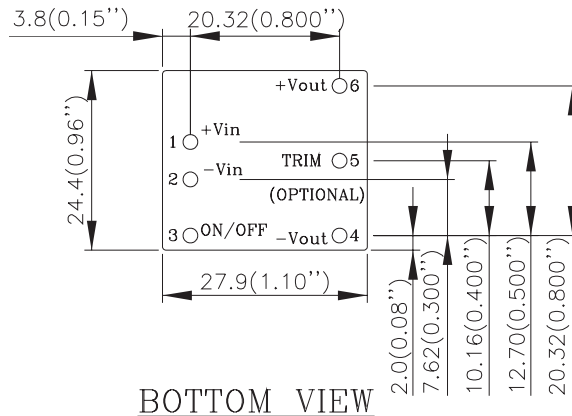
S	36	S	E	050	03	N	R	F	B
Product Type	Input Voltage	Number of Outputs	Product Series	Output Voltage	Output Current	ON/OFF Logic	Pin Length/Type		Option Code
S - Small Power	18V-75V	S - Single	1x1, 5A	3R3 - 3.3V 050 - 5.0V 120 - 12V	01 - 1A 03 - 3A 05 - 5A	N - Negative P - Positive E - No remote on/off control pin	R - 0.170" N - 0.145" K - 0.110" M - SMD	F - RoHS 6/6 (Lead Free)	A - No trim pin B - With trim pin (Default)

MODEL LIST

MODEL NAME	INPUT		OUTPUT		EFF @ 100% LOAD
S36SE3R305NRFB	18V~75V	1.3A	3.3V	5A	86.5%
S36SE05003NRFB	18V~75V	1.1A	5.0V	3A	83.0%
S36SE12001NRFB	18V~75V	1.1A	12V	1.3A	87.0%

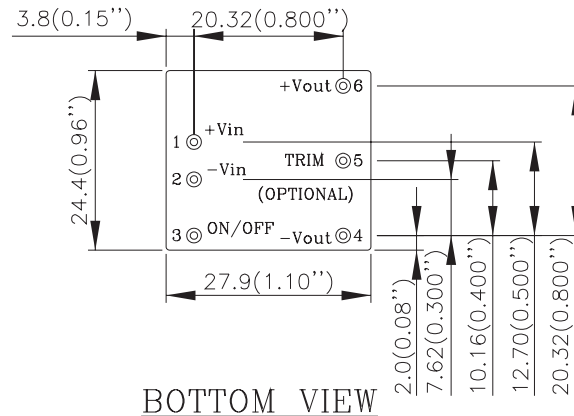
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Surface-mount module

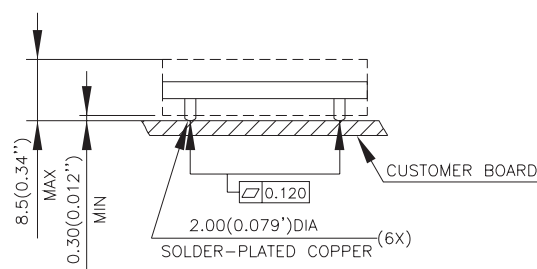


BOTTOM VIEW

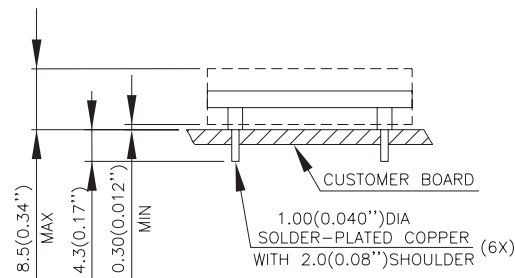
Through-hole module



BOTTOM VIEW



SIDE VIEW



SIDE VIEW

NOTES:

DIMENSIONS ARE IN MILLIMETERS AND (INCHES)

TOLERANCES: X.Xmm±0.5mm(X.XX in.±0.02 in.)

X.XXmm±0.25mm(X.XXX in.±0.010 in.)