

AC/DC ENCLOSED POWER SUPPLY

75W



TRS75-5, TRS75-12, TRS75-15, TRS75-24,
TRS75-36, TRS75-48

Features:

- Universal / Full range AC input
- Built in active PFC
- Highly reliable design
- Built in remote sense function
- Withstand 2G Vibration Test
- UL & CE Approved



Description:

The 75W enclosed power supply range has been specially designed to offer high efficiency, long life and high reliability for use in a variety of applications. This range comprises of 6 models with outputs of either 5V, 12V, 15V, 24V, 36V or 48V. Each model is RoHS, CE, and UL approved.

SPECIFICATION						
Part Number	TRS75-5	TRS75-12	TRS75-15	TRS75-24	TRS75-36	TRS75-48
DC Voltage	5V	12V	15V	24V	36V	48V
Rated Current	12A	6A	5A	3.2A	2.1A	1.6A
Current Range	0~12A	0~6A	0~5A	0~3.2A	0~2.1A	0~1.6A
Rated Power	60W	72W	75W	76.8W	75.6W	76.8W
Ripple and Noise	100mVp-p	120mVp-p	120mVp-p	150mVp-p	200mVp-p	200mVp-p
Voltage Regulation Range	±10.0%					
Voltage Accuracy	≤2%(For 5V unit only) ≤1%(All other models)					
Line Regulation	±0.5%					
Load Regulation	≤2%(For 5V unit only) ≤1%(All other models)					
Turn on Time	≤2.5sec					
Hold up Time	20ms/ 230VAC 100% Load					
Input Voltage Range	90~264VAC					
Frequency	47~63Hz					
Efficiency	83%	85%	85%	85%	86%	86%
Input Current	0.85A/230V					
Inrush Current	80A/230VAC cold start					
Leakage Current	<1mA/240VAC					
Over Current Protection	110 ~ 160% of rated output					
Short Circuit Protection	Hiccup Mode, auto-recovery					
Operating Temperature Range	-30°C ~ +70°C (See derating curve)					
Operating Humidity	10 ~ 95% RH (Non condensing)					
Storage Temperature Range	-30°C ~+80°C					
Storage Humidity	10 ~ 95% RH (Non condensing)					
Temperature Coefficient	±0.03%/°C(0~50°C)					
Vibration	10~500Hz, 2G, 10min/cycle, X, Y, Z 60min in each direction					
Safety Certification	EN62368-1					
Withstand Voltage	I/P-O/P:3.0KV AC, I/P-FG:1.5KV AC,O/P-FG:0.5KVAC					
Isolation Resistance	I/P-O/P,I/P-FG,O/P-FG:50MΩ					
EMC (Emissions)	EN55032 Radiated and Conducted Class B, EN61000-3-2,3					
EMC (Immunity)	EN55035, EN61000-4-2,3,4,5,6,8,11					
MTBF	100,000 hours minimum at full load, 25C, per MIL-HDBK-217F					
SIZE	99×97×30mm(L*W*H)					
WEIGHT	250g					

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

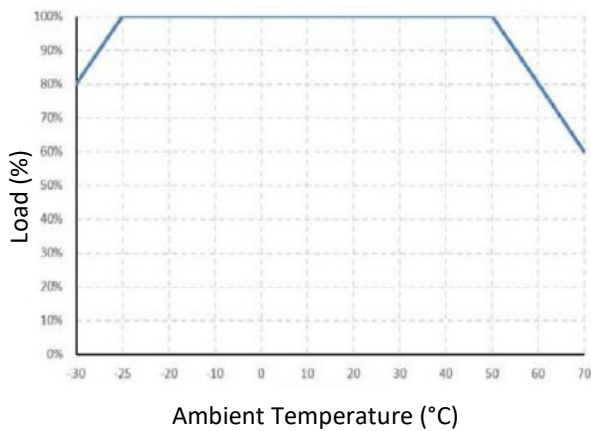
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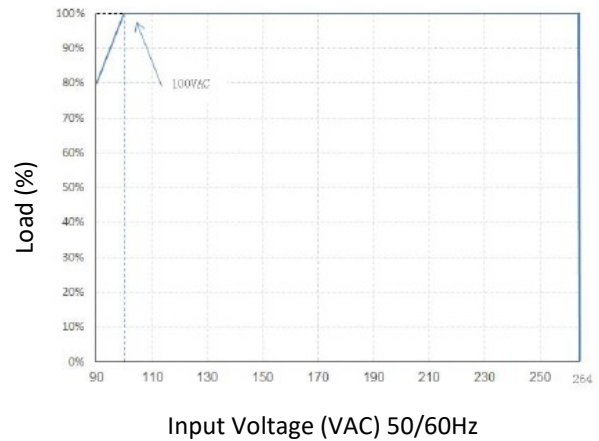
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Diagrams

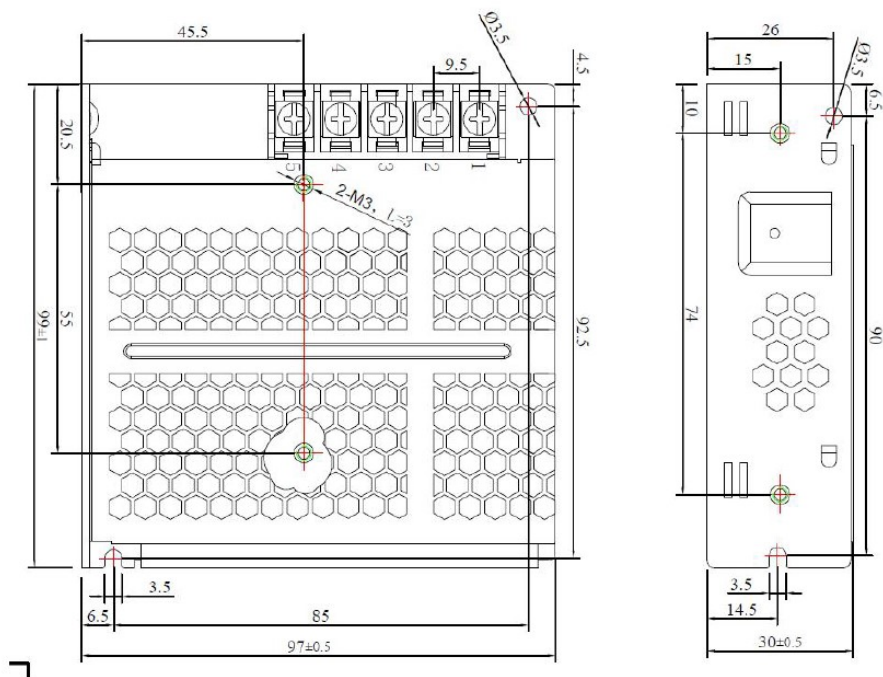
Load vs. Ambient Temperature



Load vs. Input Voltage



Mechanical Drawings



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