



## 5 12 Watt Power Module Series

ATS005A2 - F X X X P

O / P Voltage ←

ATS012A3 - F X X X P

O / P Voltage ←

### Features :

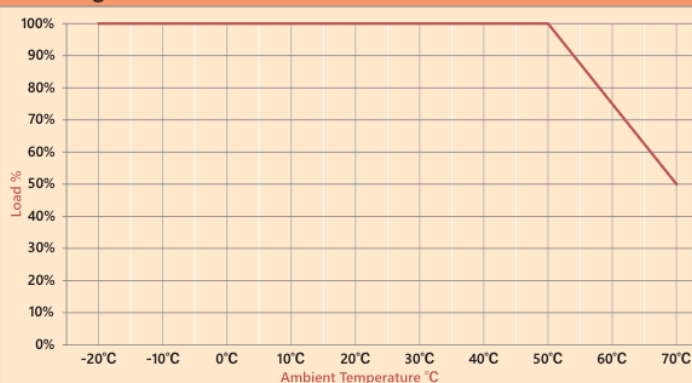
- IEC/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS005A2-F033P	3.3V	1.25A	4.125W
ATS005A2-F050P	5.0V	1.00A	5.000W
ATS005A2-F120P	12.0V	0.50A	6.000W
ATS005A2-F150P	15.0V	0.33A	4.950W
ATS005A2-F240P	24.0V	0.23A	5.520W
Model	O/P Voltage	O/P Current	Watt
ATS012A3-F033P	3.3V	2.50A	8.25W
ATS012A3-F050P	5.0V	2.00A	10.00W
ATS012A3-F090P	9.0V	1.20A	10.80W
ATS012A3-F120P	12.0V	1.00A	12.00W
ATS012A3-F150P	15.0V	0.80A	12.00W
ATS012A3-F240P	24.0V	0.50A	12.00W

### Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	ATS005A2 : 0.19A Max. ATS012A3 : 0.31A Max.
Protection	Internal Primary Current Fuse

### Derating Curve



### Output

Load Regulation	±5% ( Typical )
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS for 50% Load Change Typical
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

### Electrical

Topology	Switching Flyback
Dielectric Withstand	3,000VAC Primary - Secondary
Leakage Current	< 0.25mA
Efficiency	DoE Level VI, ErP Stage 2
EMC Standards	EN55032 EN61000-3-2,3 EN55035
MTBF	300,000 Calculated Hours at 25°C, by Telcordia SR-332

### Environmental

Operating Temperature	-20 to + 50°C
Storage Temperature	-20 to + 80°C
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

### Mechanical

Case Dimension	L 37.5 x W 28 x H 21 (mm)
Weight	ATS005A2 : 26g (Ref.) ATS012A3 : 40g (Ref.)

