



Open Frame Power Supply 12 / 24 Watt Series

ATM012T - F X X X

O / P Voltage ←

ATM024T - F X X X □

O / P Voltage ←

W : Wafer
Blank : 4 Industrial Pins

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection: 2 X MOPP
- IEC 62368-1
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

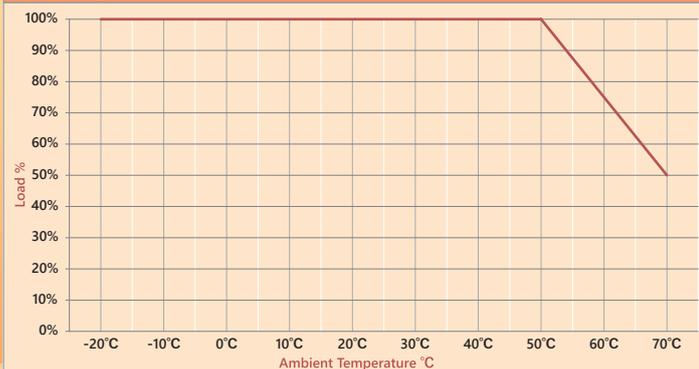
| Model | O/P Voltage | O/P Current | Watt |
|--------------|-------------|-------------|--------|
| ATM012T-F033 | 3.3V | 2.5A | 8.25W |
| ATM012T-F050 | 5.0V | 2.0A | 10.00W |
| ATM012T-F120 | 12.0V | 1.0A | 12.00W |
| ATM012T-F150 | 15.0V | 0.8A | 12.00W |
| ATM012T-F240 | 24.0V | 0.5A | 12.00W |

| Model | O/P Voltage | O/P Current | Watt |
|---------------|-------------|-------------|--------|
| ATM024T-F033□ | 3.3V | 4.5A | 14.85W |
| ATM024T-F050□ | 5.0V | 4.4A | 22.00W |
| ATM024T-F120□ | 12.0V | 2.0A | 24.00W |
| ATM024T-F150□ | 15.0V | 1.6A | 24.00W |
| ATM024T-F240□ | 24.0V | 1.0A | 24.00W |
| ATM024T-F480□ | 48.0V | 0.5A | 24.00W |

Input

| | |
|----------------|--|
| Voltage | 100-240 VAC |
| Line Frequency | 50-60Hz |
| Current | ATM012T : 0.29A-0.17A ATM024T : 0.59A-0.32A |
| 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 | 4,000VAC Primary - Secondary |
| Touch Current(Patient) Leakage Current | < 100µA |
| Efficiency | Meet DoE Level VI, ErP Stage 2 |
| 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

| | |
|-----------|---|
| Dimension | ATM012T-F: L 65 x W 44.7 x H 24 (mm) 2.56" x 1.76" x 0.95" |
| | ATM024T-F: L 70 x W 48 x H 26 (mm) 2.76" x 1.89" x 1" |
| | ATM024T-F: L 89 x W 51 x H 24 (mm) (wafer) 3.5" x 2" x 0.95" |
| | Weight |
| | ATM012T : 42g (Ref.) ATM024T : 58g (Ref.) |

