



### Features:

- Universal Input 100 – 240 VAC
- Internal EMI Filter
- Single Output
- Output Voltage Available from 5VDC – 36VDC
- Input Surge Current Protection
- Over-Current Protection
- Over-Voltage Protection
- 100% Burn-In
- Class I



### Input

Input Voltage	90 to 264 VAC
Input Frequency	47 to 63Hz
Input Current	0.7A Max. at 115VAC, 0.5A Max. at 230VAC, Full Load
Safety Ground Leakage Current	0.3mA Max. @ 240VAC, Full Load

### Output

Output Voltage & Current	<b>See Chart</b>
Ripple & Noise (P-P)	1% Max., Full Load @ 90VAC Input
Over-Voltage Protection	Set at 112 - 132% of Nominal Output Voltage
Over-Current Protection	Set at 110 - 150% of Nominal Output Current
Temperature Coefficient	± 0.04% / °C Max.
Transient Response	Full Load to Half Load @ 100VAC Input: 4mS Max.

### Environmental

Operating Temperature	0°C to 70°C
Derating	Derated from 100% at +50°C to 50% at +70°C
Storage Temperature	-40°C to 85°C
Relative Humidity	5% to 95% Non-Condensing

### Electrical

Efficiency	85% Max.
Hold-Up Time	12mS Min.
Line Regulation	±1% Max. at Full Load
Load Regulation	±7% Max. at 230VAC
Inrush Current	18A @ 115VAC Max. 25A @ 230VAC Max. at 25°C Cold Start
Withstanding Voltage	5656 VDC from Primary to Secondary, 2828 VDC from Primary to Ground
Insulation Resistance	50 MΩ Min. from Output to Ground
Mean Time Between Failure (MTBF)	100,000 Hours Min., Full Load at 25°C Ambient

### Safety

EMI Requirements	Meets Conduction Limits of: (A) CISPR-11 Class B (B) FCC Part 18 Class B
Safety Standards	Meets or Exceeds: (A) UR Listed (UL 60601-1) (B) TUV (EN 60601-1) (C) CE (D) CB

### Single Output Voltage and Current Chart

Model Number	Output Voltage	Output Current	Total Regulation	Maximum Output Power
SFM31P905R	5 VDC	6.00 A	5%	30W
SFM31P907R	7 VDC	4.28 A	5%	30W
SFM31P909R	9 VDC	3.33 A	5%	30W
SFM31P912R	12 VDC	2.50 A	5%	30W
SFM31P915R	15 VDC	2.00 A	5%	30W
SFM31P918R	18 VDC	1.66 A	5%	30W
SFM31P924R	24 VDC	1.25 A	5%	30W
SFM31P930R	30 VDC	1.00 A	5%	30W
SFM31P936R	36 VDC	0.83 A	3%	30W

### Pin Connection

Pin	Single Output
1	Return
2	Return
3	Return
4	Output
5	Output
6	Output

