



Features:

- Universal Input 90 – 264 VAC
- Single Output
- Output Voltage Available from 12VDC – 40VDC
- Size: 2" x 4" x 1"
- 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	1.62A Max. at 115VAC, 0.72A Max. at 230VAC, Full Load
Safety Ground Leakage Current	0.3mA Max. @ 240VAC, Full Load

Output

Output Voltage & Current	See Chart
Ripple & Noise (P-P)	1% Max., Full Load @ 100VAC 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 +40°C to 50% at +70°C
Storage Temperature	-40°C to 85°C
Relative Humidity	5% to 95% Non-Condensing

Electrical

Efficiency	85% Typ.
Hold-Up Time	16mS Typ.
Line Regulation	±1% Max. at Full Load
Load Regulation	±5% Max. at 230VAC
Inrush Current	30A Max. @ 115VAC 47A Max. @ 230VAC 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: 2nd Edition) (B) TUV/T-Mark (EN 60601-1: 2nd Edition) (C) CE (D) CB (E) FCC

Single Output Voltage and Current Chart

Model Number**	Output Voltage	Output Current	Total Regulation	Maximum Output Power
SFM61P1R1XXR	12 - 13 VDC	5.00 - 4.61 A	5%	60W
SFM61P1R1XXR	14 - 16 VDC	4.29 - 3.75 A	5%	60W
SFM61P1R1XXR	17 - 21 VDC	3.53 - 2.85 A	5%	60W
SFM61P1R1XXR	22 - 27 VDC	2.73 - 2.22 A	3%	60W
SFM61P1R1XXR	28 - 33 VDC	2.14 - 1.81 A	3%	60W
SFM61P1R1XXR	34 - 40 VDC	1.76 - 1.50 A	3%	60W

** To Complete Part Number:

- Replace "XX" with Required Output Voltage (12VDC = "12", 24VDC = "24", 40VDC = "40", ect.)

Example: SFM61P1R124R indicates a Unit with 24VDC Output.

Pin Connection: Single Output

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

