

AC/DC Switching Open Frame

ELECTRICAL SPECIFICATIONS

- Input range : 90 ~ 264 VAC / 127~380 VDC
- Input Frequency : 47 - 440Hz
- Inrush Current (25°C) 20A @ 110VAC; 40A @ 220VAC MAX


OUTPUT

- Short Protection: Autorecovery
- Overload Protection: Automatic Power Limited
- Over Voltage Protection: Autorecovery
- Hold-up time : 16ms
- Outputs Can Be Modified From 3V~200VDC

ENVIRONMENTAL

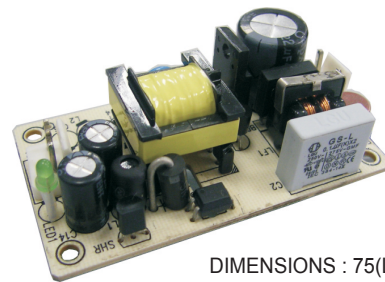
- Operating temperature : -15°C to +50°C
- Storage temperature : -20°C to +80°C
- MTBF : 100,000 hours per MIL -HDBK-217F
- Vibration 2G, 10-500 Hz. 3 Axis

SAFETY STANDARDS

-  UL 60950 Meet
-  CSA 60950 Meet
-  CE Marking

EMI STANDARDS

- EN 55022 CLASS B
- EN 61000-3-2 CLASS A
- EN 61000-3-3, EN 55024
- (IEC 61000-4-2, IEC 61000-4-3
- IEC 61000-4-4, IEC 61000-4-5
- IEC 61000-4-6, IEC 61000-4-8
- IEC 61000-4-11)



DIMENSIONS : 75(L) x 40(W) x 20(H)mm
Weight: 46.60g

DC OUTPUT & FEATURES

MODEL	O/P Volt	Load(Current) ₁			Ripple & Noise ₄	Line REG. ₂	Load REG. ₃	Efficiency ₅	O.V.P
		Min.	Rated	Max.					
F107-05S	V1: +5.1V	0A	1.4A	1.4A	50mVp-p	±2%	±2%	70% Min.	6 ~ 7.5V
F107-15S	V1: +12V	0A	0.58A	0.58A	100mVp-p	±2%	±2%	72% Min.	14 ~ 17V
F107-24S	V1: +15V	0A	0.46A	0.46A	150mVp-p	±2%	± %	75% Min.	17 ~ 22V
F107-24S	V1: +24V	0A	0.29A	0.29A	150mVp-p	±2%	±2%	76% Min.	28 ~ 34V
F10720-1S	V1: +5V	0A	1A	1A	50mVp-p	±2%	±2%	70% Min.	6 ~ 7.5V -----
	V2: +12V	0A	0.17A	0.17A	100mVp-p	±2%	±4%		
F10720-2S	V1: +5V	0A	0.3A	0.3A	50mVp-p	±2%	±2%	73% Min.	6 ~ 7.5V -----
	V2: +24V	0A	0.23A	0.23A	150mVp-p	±2%	±4%		
F10720-3S	V1: +5V	0A	0.35A	0.35A	50mVp-p	±2%	±2%	70% Min.	6 ~ 7.5V -----
	V2: +7V	0A	0.7A	0.7A	70mVp-p	±2%	±4%		

- NOTE:
1. Each output can provide up to maximum load, but total load can not exceed rated output power.
 2. Line regulation is measured from low line to high line at rated load.
 3. Load regulation is measured from 20% to 100% of rated load at 110VAC input.
 4. Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and 110VAC input.
 5. Efficiency is measured at rated load and 110VAC input.
 6. Hold-up time is measured at rated load and 110VAC input.



SMP TECHNOLOGY, INC.

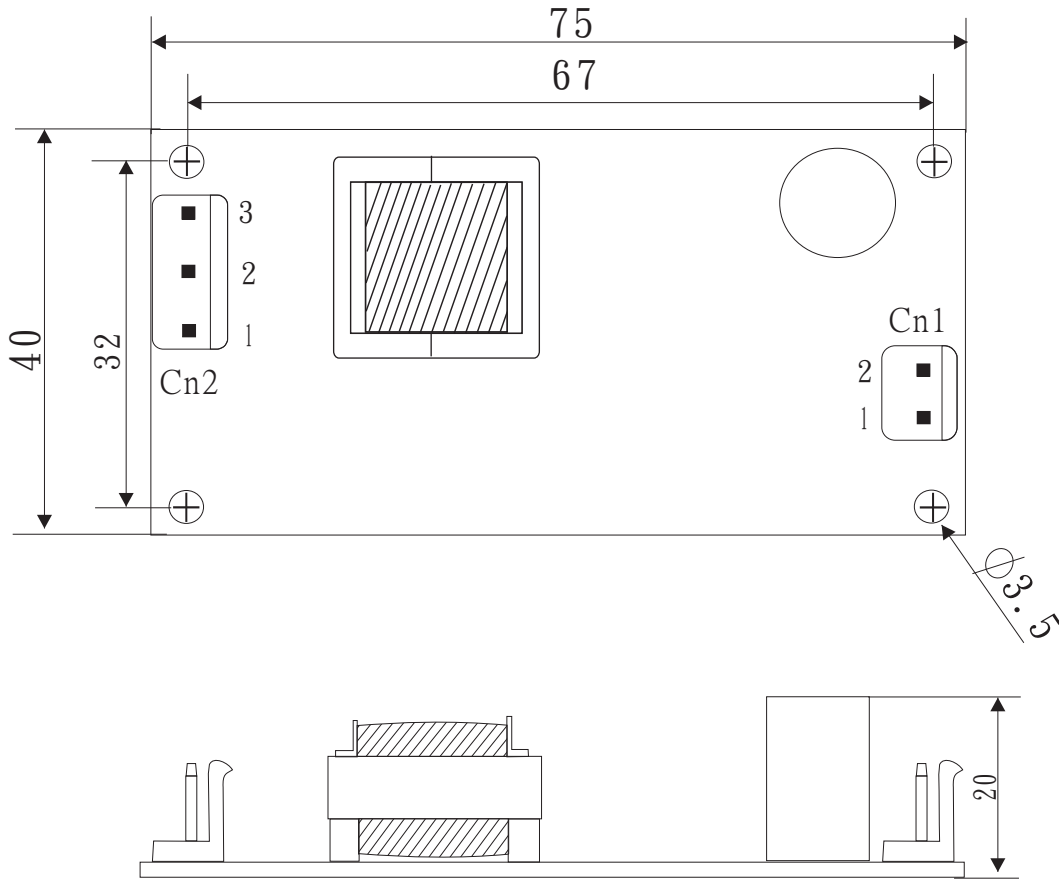
227 Technology Circle, Scotts Valley, CA 95066

Tel : (831) 440-9191 Fax : (831) 440-9195

http : //www.smp-tech.com

E-Mail : sales@smp-tech.com

MECHANICAL SPECIFICATION



CASE NO: F107
 UNIT: mm
 DIMENSIONS:
 75(L)*40(W)*20(H)mm

Input connector (Cn1)
 3.96mm crimp style connector
 3Pin 3.96mm.

Pin	Input	Description
1	N	Neut ral T er mi nal o f A C I nput
2	L	Li ne T er mi nal o f A C I nput

No Polarity At DC Input

DC Output Connector (Cn2)
 3.96mm crimp style connector
 Single output: 2Pin. 3.96mm. J
 Dual output: 3Pin. 3.96mm.

Pin	Single	Dual	Description
1	V1	V1	G DC Out put G r ound T er mi nal
2	G	G	Vx: D C Out put T er mi nal
3	/	V2	(Speci fy a t s pec.)



SMP TECHNOLOGY, INC.

227 Technology Circle, Scotts Valley, CA 95066

Tel : (831) 440-9191 Fax : (831) 440-9195

http : //www.smp-tech.com

E-Mail : sales@smp-tech.com