

AC/DC Switching Open Frame

ELECTRICAL SPECIFICATIONS

- Input range : 90 ~ 264 VAC / 127 ~ 380 VDC
- Input Frequency : 47 - 63Hz
- 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



DIMENSIONS : 130(L) x70(W) x 26.5(H)m
Weight: 181g

SAFETY STANDARDS

-  UL 60950 Meet
-  CSA 60950 Meet
-  CE Marking

EMC 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)

ENVIRONMENTAL

- Operating Temperature -15 ~ 50°C, Ambient
- Operating Humidity 5 ~ 95% RH, No Condensing
- Storage Temperature -20 ~ 85°C, Ambient
- Vibration 2G, 10~500Hz, 3 axes

DC OUTPUT & FEATURES

MODEL	O/P Volt Adj. ± %	Load(Current) ₁			Ripple & Noise ₄	Line REG. ₂	Load REG. ₃	Efficiency ₅	O.V.P. Trip point
		Min.	Rated	Max.					
F1 2033-1S	V1: +5V ±10% V2: +12V-----	0A 0A	3A 1.5A	3A 1.5A	50mVp-p 120mVp-p	±1% ±1%	±1% ±4%	70% Min.	5.8 ~ 7.0V -----
F1 2033-2S	V1: +5V ±10% V2: +24V-----	0A 0A	2A 1A	3A 1A	50mVp-p 150mVp-p	±1% ±1%	±1% ±4%	73% Min.	5.8 ~ 7.0V -----
F1 3033-1S	V1: +5V ±10% V2: +12V----- V3: -5V-----	0A 0A 0A	3A 1A 0.5A	3A 1A 0.5A	50mVp-p 100mVp-p 100mVp-p	±1% ±2% ±2%	±1% ±4% ±7%	70% Min.	5.8 ~ 7.0V ----- -----
F1 3033-2S	V1: +5V ±10% V2: +12V----- V3: -12V ±10%	0A 0A 0A	3A 1A 0.5A	3A 1A 0.5A	50mVp-p 100mVp-p 120mVp-p	±1% ±2% ±2%	±1% ±4% ±7%	70% Min.	5.8 ~ 7.0V ----- -----
F1 3033-3S	V1: +5V ±10% V2: +12V----- V3: +24V-----	0A 0A 0A	1.5A 1A 0.5A	1.5A 1A 0.5A	50mVp-p 100mVp-p 200mVp-p	±1% ±2% ±2%	±1% ±4% ±7%	70% Min.	5.8 ~ 7.0V ----- -----
F1 3033-4S	V1: +5V ±10% V2: +18V----- V3: -18V-----	0A 0A 0A	3A 0.5A 0.5A	3A 1A 0.5A	50mVp-p 180mVp-p 180mVp-p	±1% ±2% ±2%	±1% ±5% ±7%	72% Min.	5.8 ~ 7.0V ----- -----

- 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.



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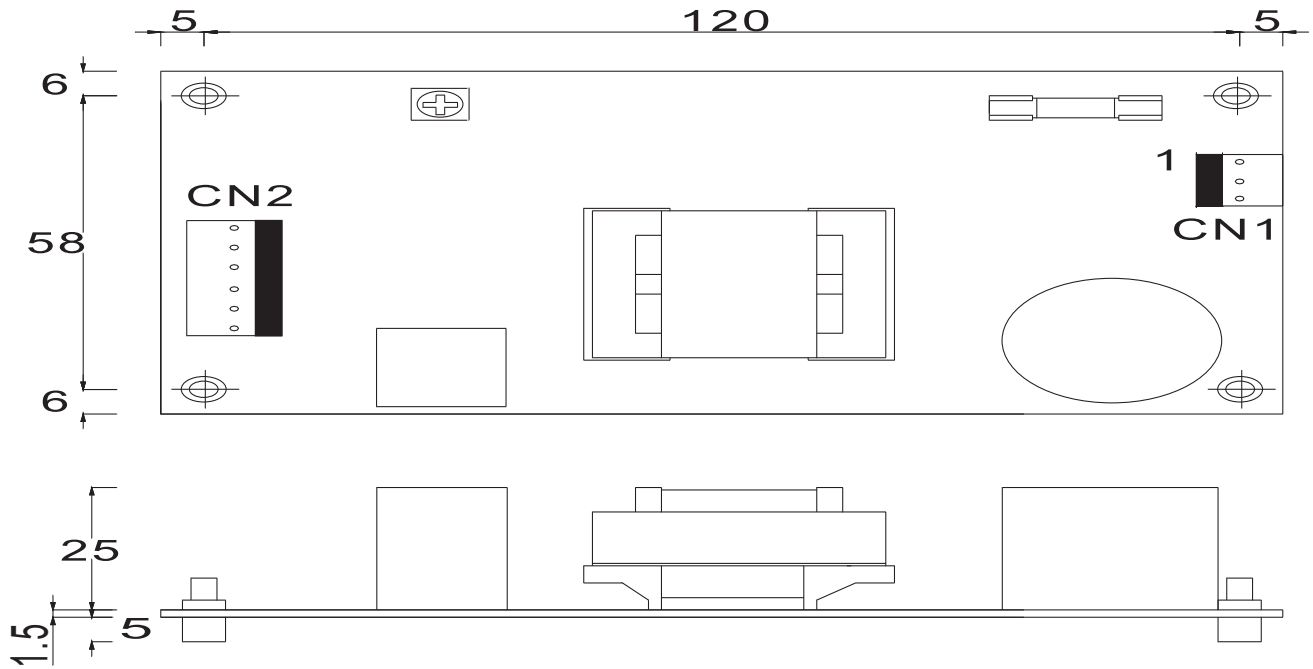
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MECHANICAL SPECIFICATION



Input connector (CN1):
 3.96mm crimp style connector
 3Pin (Pin 2 no pole) · 3.96mm

Pin	Input	Description
1	N	Neutral Terminal of AC Input
3	L	Line Terminal of AC Input

No Polarity At DC Input

CASE NO: F133

UNIT: mm

DIMENSIONS:

120(L) x 70(W) x 25(H)mm

DC Output Connector (CN2):

3.96mm crimp style connector
 Single output: 2Pin · 3.96mm
 Dual output: 3Pin · 3.96mm

Pin	Single	Dual	Description
1	G	V2	G: DC Output Ground Terminal Vx: DC Output Terminal (Specify a ts pec.)
2	V1	G	
3	/	V1	



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