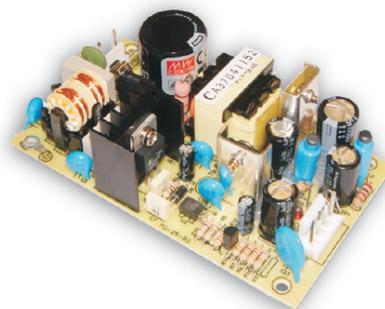


PRELIMINARY TECHNICAL INFORMATION
HIGHLIGHTS

- Universal AC input / Full range.
- Low leakage current < 0.5 mA.
- Protections: Short circuit / Overload / Over voltage / Over temperature.
- Cooling by free air convection.
- 100% full load burn-in test.
- Fixed switching frequency at 100 kHz.



non-contractual photo

TECHNICAL SPECIFICATIONS

Description	Symbol	Notes / Test conditions	Min	Typ	Max	Units
Line voltage	V_{IN}	$\pm 15\%$	85	230	264	V_{RMS}
			120		370	V_{DC}
Frequency range	f_w		47		63	Hz
Power output	P_{out}			24		W
Typical input current		Full load @ 115V _{AC IN}		650		mA
		Full load @ 230 V _{AC IN}		400		mA
Inrush current		Cold start		32		A
Leakage current		@ 240 V _{AC IN}			0,50	mA
Typical efficiency	η	@ 230V _{AC IN} , full load		75%		
Isolation between mains and output		@ 1min		4000		V_{RMS}
Minimum start up load		@ V1		100		mA
Ripple and noise					50	mVpp
Load regulation				$\pm 3\%$		
Line regulation				$\pm 0.5\%$		
Setup time		@ 230V _{AC IN} , full load		250		ms
Rise time		@ 230V _{AC IN} , full load		50		ms

 Data at $T_a = 25^\circ C$, $V_{IN} = 230 V_{AC}$ and rated values, unless otherwise indicated

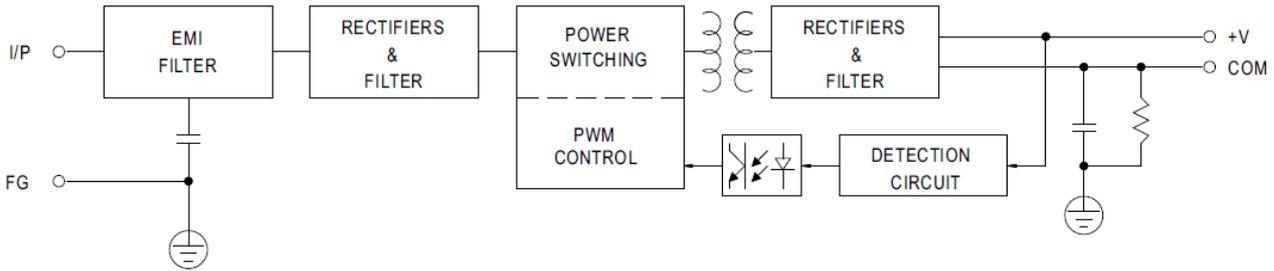
CONFORMALS

Safety standards	UL60950-1, TUV EN60950-1 approved
Withstand voltage	IP-O/P:3KVAC IP-FG:1.5KVAC O/P-FG:0.5KVAC
Isolation resistance	IP-O/P, IP-FG, O/P-FG:100M Ohms / 500VDC / 25 / 70% RH
EMC emission	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3
EMC immunity	Compliance to EN61000-4-2,3,4,5, light industry level, criteria A

OUTPUTS

Description	Symbol	Notes / Test conditions	Min	Typ	Max	Units
V1 Output voltage	V_1			15		V
V1 Output current	I_{nom1}		100	800	1000	mA
V2 Output voltage	V_2			-15		V
V2 Output current	I_{nom4}		100	800	1000	mA

BLOCK DIAGRAM

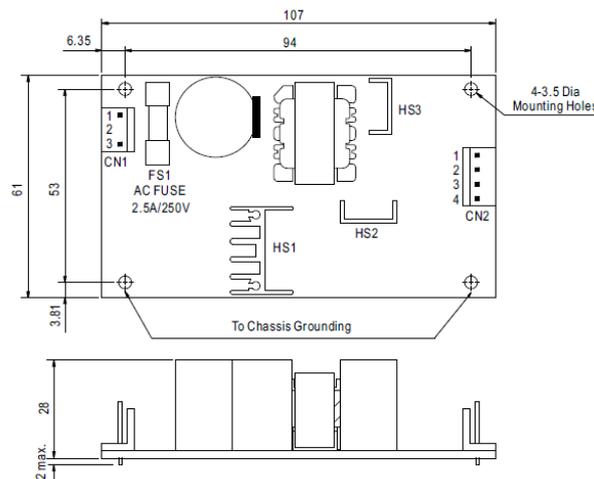


ENVIRONMENTAL CHARACTERISTICS

Description	Temperature	Relative Humidity
Storage	-15°C to +50°C	95%
Operating	-10°C to +60°C	90%

MECHANICAL CHARACTERISTICS

Description	Notes / Test conditions	Units
Board		61 x 107 x 28 mm
Fixations	fixation holes diameter	3,5 mm
Weight (aprox)		508 gr



AC Input Connector (CN1) : Molex 41791-03 or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	AC/L	Molex 2139 or equivalent	Molex 2478 or equivalent
2	No Pin		
3	AC/N		

DC Output Connector (CN2) : Molex 41791-04 or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	V1	Molex 2139 or equivalent	Molex 2478 or equivalent
2,3	COM		
4	V2		

⚠ HS1,HS2,HS3 can not be shorted

All mating housings and terminals are included as a mounting kit.

130301 Rev.:0

Cost Effective Products

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