

150W U-bracket Switching Power Supplies For Medical Equipment.



Safety Approvals :



Description:

The MUU150 series of compact, open frame constructed, AC/DC switching mode power supplies provide 63 Watts of continuous output power . They are suited for use in hospital instrument and many other applications. All models meet FCC Part-18 class B and CISPR-11 EN55011 class B emission Limits and are designed to comply with UL/c-UL(UL 60601-1:2nd Edition), TUV/T-mark(EN 60601-1:2nd Edition) and new CE requirements. All units are 100% burned-in and tested.

Features:

- Wide Operating Voltage 100 to 240 VAC,47 to 63 Hz
- Internal EMI filter
- Single Output
- Input connector mates with Molex housing 09-50-3051 and Molex 2478 series crimp terminal
- Output connector mates with Molex housing 09-50-3081 and Molex 2478 series crimp terminal
- Input Surge Current, Over Voltage and Over Load protection
- Output Voltage Protection(Crowbar Design)
- Active Power Factor Correction
- Size: 3.21 "x5"x1.66"
- Class I
- 3 year warranty

Electrical Characteristics:

Sym.	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Vin	Input Voltage	Operating Voltage	100		240	VAC
	Input Frequency		47		63	Hz
fin	Power Factor Correction	Io=Full load, Vin=100~240VAC	0.95	0.97	1.0	
PF	Output Power Range	Vin=100 to 240 VAC	0		150	W
Po	Output Voltage Range		See rating Chart			V
Vo	Output Current Range		See rating Chart			A
Io	Input Current (Low Line)	Io=Full load, Vin=115VAC			2	A
Iil	Input Current (High Line)	Io=Full load, Vin=230VAC			1.2	A
Iih	Low Line Inrush Current	Io=Full load, 25 C,Cool startVin=115VAC		28	31	A
Irl	High Line Inrush Current	Io=Full load, 25 C,Cool startVin=230VAC		57	63	A
Irh	Efficiency	Io=Full load, Vin=230VAC	82	85	87	%
Eff	Line Regulation	Io=Full load		0.5	1	%
REG-i	Load Regulation	Vin=230VAC		3	5	%
REG-o	Over Voltage Protection		112		132	%
OVP	Over Current Protection		110		150	%
OCP	Time of Transient Response	Io=Full load to Half Load, Vin=100VAC			4	mS
Ttr	Hold-Up Time	Io=Full load, Vin=110VAC	20			mS
Thold	Start Up Time	Io=Full load, Vin=100VAC			2	S
Ts	Ripple & Noise (Peak to Peak)	Full load, Vin=90VAC		0.5	1	%
* Vp-p	Safety Ground Leakage Current	Io=Full load, Vin=240VAC		0.07	0.1	mA
Ilk	Temperature Coefficient	All output	-0.04		0.04	%/ C
TC	Temperature Coefficient	All output	-0.04		0.04	%/°c

Environmental

Sym.	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Toper	Operating Temperature		0	50	70	°C
Tstg	Storage Temperature		-40		85	°C
Ho	Operating Humidity		0		95	%
Hr	Storage Humidity		0		75	%
MTBF	Operating Temperature at 25 °C, Calculated per MIL-HDBK-217F		0.1M			Hrs
Pd	Derate linearly from 100% load at 50 °C to 50% load at 70 °C					

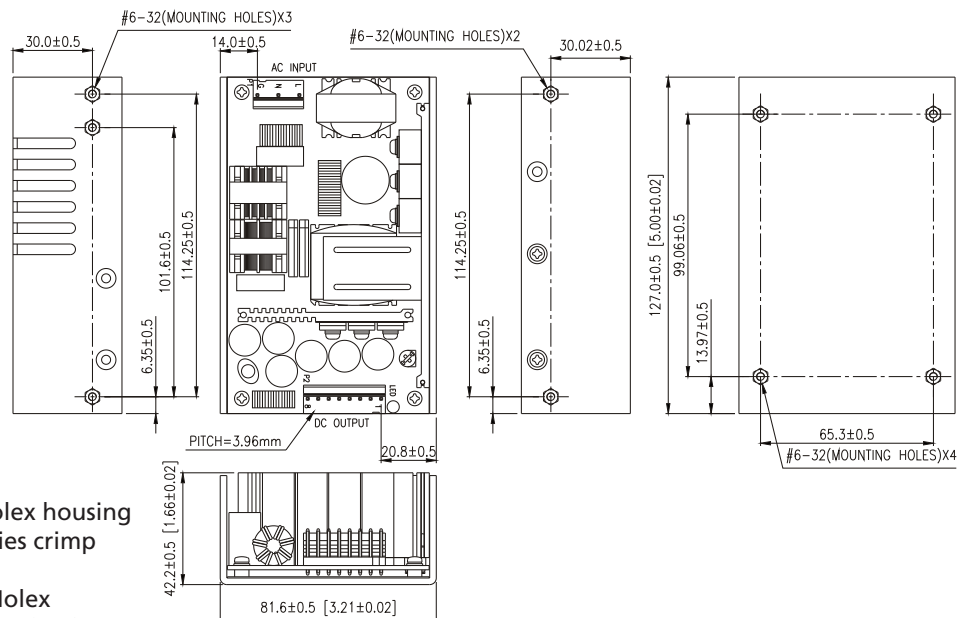
Safety Specifications

Sym.	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Vps	Dielectric Withstanding Voltage for Primary to secondary	Primary to secondary	5656			VDC
Vpg	Dielectric Withstanding Voltage for Primary to Ground	Primary to ground	2828			VDC
Ris	Isolation Resistance	Test Voltage=500VDC	50			M Ω
CISPR	EMI requirements for CISPR-11	Vin=220VAC	B			CLASS
FCC	EMI requirements for FCC PART-18	Vin=110VAC	B			CLASS

Output Voltage And Current Rating Chart (Single Output) :

	Output Voltage	Output Current	Total Regulation (1)	Maximum Output Power
MUU150-105	12 VDC	12.50 A	5%	150W
MUU150-108	24 VDC	6.25 A	5%	150W

Mechanical Specifications:



Note:

- Dimensions are shown in mm.
- Weight: 560gs approx.
- Input connector mates with Molex housing 09-50-3051 and Molex 2478 series crimp terminal.
- Output connector mates with Molex housing 09-50-3081 and Molex 2478 series crimp terminal.

Pin	1	2	3	4	5	6	7	8
Model								
MUU150-1XX	Vout	Vout	Vout	Vout	RTN	RTN	RTN	RTN

Data sheets are subject to change without notice, please check with our sales office before ordering