FEATURES

- Class I Insulation
- Internal EMI Filter
- 3-pin Input Connector
- Power Factor Correction
- Synchronous Rectification
- Power Fail Detect (Optional)
- Over Voltage Protection (Crowbar Design)
- Input Surge Current and Over Load Protection
- Output Voltage Available from 9VDC thru 48VDC
- 2-pin Input Connector Available (See PSSBU151 Series)

DESCRIPTION

The PSSBU150 series of AC/DC switching mode power supplies provides 150 Watts of continuous output power in a compact, open frame constructed design. This series has single output supplies with a universal input range of 90~264VAC. These units are ideally suited for use in disc drive systems, microprocessor based systems, portable equipment, and many other applications. All models meet FCC Part-15 class B and CISPR-22 class B emission limits. These supplies also comply with UL/cUL (UL 60950-1), TUV/Bauart (EN 60950-1), and new CE requirements. All units are 100% burn-in tested.

SPECIFICATIONS: *PSSBU150 Series*

All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.
We reserve the right to change specifications based on technological advances.

SPECIFICATION	TEST CONDITIONS	Min	Nom	Max	Unit
INPUT (V_{in})					
Operating Voltage Range		90		264	VAC
Input Frequency		47		63	Hz
Input Current (Low Line)	Io = Full Load, Vin = 115VAC			2.0	A
Input Current (High Line)	Io = Full Load, Vin = 230VAC			0.8	A
Inrush Current (Low Line)	Io = Full Load, 25°C, Cool Start, Vin = 115VAC		16	20	A
Inrush Current (High Line)	Io = Full Load, 25°C, Cool Start, Vin = 230VAC		56	63	A
Safety Ground Leakage Current	Io = Full Load, Vin = 240VAC		0.5	0.75	mA
Start-Up Time	Io = Full Load, Vin = 100VAC	0.3	1	2	s
OUTPUT (V_o)					
Output Voltage Range			See Rating Chart		
Load Regulation	Vin = 230VAC		3	5	%
Line Regulation	Io = Full Load		0.5	1	%
Output Power	Vin = 90 to 264VAC			150	W
Output Current Range			See Rating Chart		
Ripple & Noise (peak to peak)	Full Load, Vin = 90VAC		0.5	1	%
Transient Response	Io = Full Load to Half Load, Vin = 100VAC			4	ms
Hold-Up Time	Io = Full Load, Vin = 110VAC	16			ms
PROTECTION					
Over Voltage Protection		112		132	%
Over Current Protection		110		150	%
GENERAL					
Efficiency	Io = Full Load, Vin = 230VAC	85	88	90	%
Dielectric Withstanding Voltage For Primary to Secondary	Primary to Secondary	4242			VDC
Dielectric Withstanding Voltage For Primary to Ground	Primary to Ground	2121			VDC
Isolation Resistance	Test Voltage = 500VDC	50			MΩ
Power Factor Correction	Io = Full Load, Vin = 90~260VAC	0.95	0.97	1.0	
ENVIRONMENTAL					
Operating Temperature	Derate linearly from 100% Load at 50°C to 50% load at 70°C	0		+70	°C
Storage Temperature		-40		+85	°C
Relative Humidity		5		95	%
Temperature Coefficient	All Outputs	-0.04		+0.04	%/°C
PHYSICAL					
Weight		Approximately 390 grams			
Dimensions		5.00(L) x 3.00(W) x 1.40(H) inches 127.0(L) x 76.2(W) x 35.56(H) mm			
Warranty		2			Years
SAFETY					
EMI Requirements for CISPR-22	Vin = 220VAC	B			Class
EMI Requirements for FCC PART-15	Vin = 110VAC	B			Class

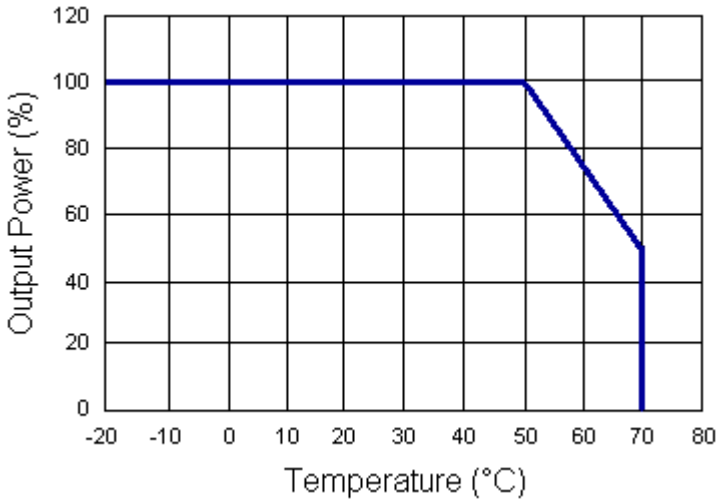
OUTPUT VOLTAGE / CURRENT RATING CHART

Model Number	Preset Voltage	Output Current	Total Regulation	Maximum Output Power
PSSBU150-104	9 VDC	16.0 A	5%	144 W
PSSBU150-105	12 VDC	12.5 A	5%	150 W
PSSBU150-106	15 VDC	10.0 A	5%	150 W
PSSBU150-107	18 VDC	8.33 A	4%	150 W
PSSBU150-108	24 VDC	6.25 A	3%	150 W
PSSBU150-109	30 VDC	5.00 A	2%	150 W
PSSBU150-110	36 VDC	4.17 A	2%	150 W
PSSBU150-111	48 VDC	3.13 A	2%	150 W

NOTES

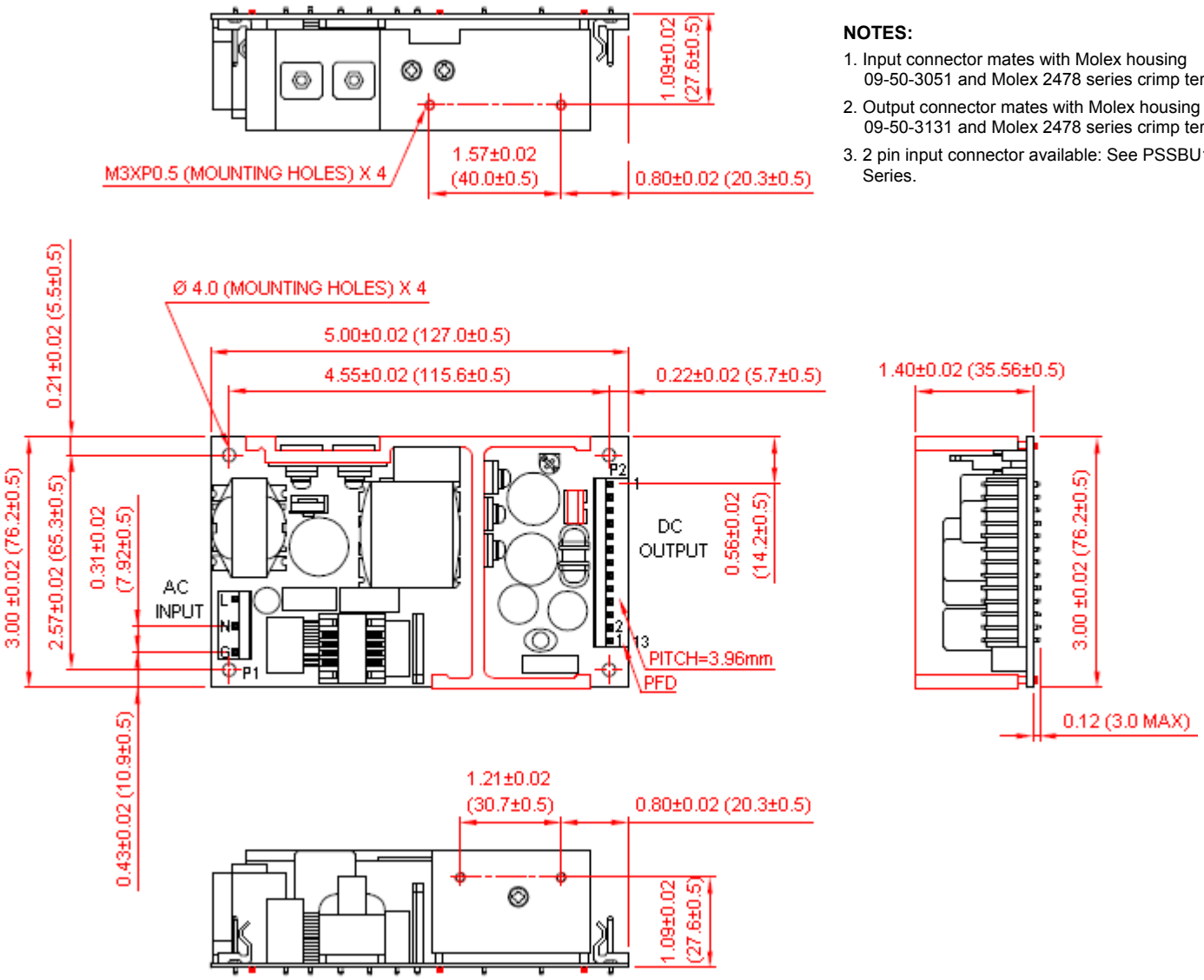
1. Input connector mates with Molex housing 09-50-3051 and Molex 2478 series crimp terminal.
2. Output connector mates with Molex housing 09-50-3131 and Molex 2478 series crimp terminal.
3. 2 pin input connector available: See PSSBU151 Series.

DERATING CURVE



MECHANICAL DRAWING

Unit: inches (mm)



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PIN CONNECTIONS	
PIN	DESIGNATION
1	OUT
2	OUT
3	OUT
4	OUT
5	OUT
6	OUT
7	RTN
8	RTN
9	RTN
10	RTN
11	RTN
12	RTN
13 (Optional)	RTN