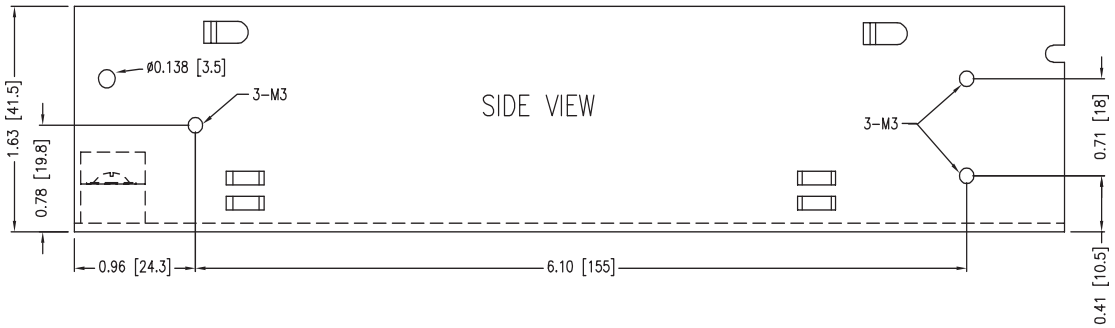
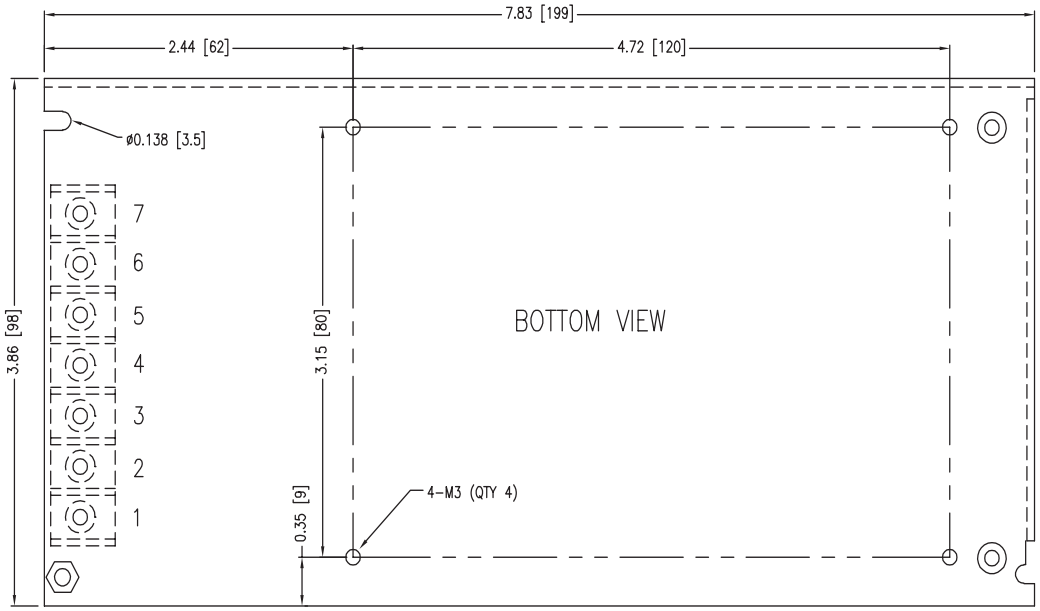
150 Watt AC/DC Single Output Switching Power Supply

- Efficiency up to 87%
- Universal Input Range
- Single Output
- Short Circuit Protection
- Overload Protection
- Over Voltage Protection
- MTBF > 230,000 Hours

Model Number	Voltage	Current				Voltage Adjustment Range	Load Regulation	Efficiency (%)
	Output	Input		Output				
	(VDC)	115 VAC Full Load	230 VAC Full Load	Min (A)	Max (A)	VDC		
CM150JS5	5	3	1.5	0	26A	4.75 - 5.5	2%	78
CM150JS12	12	3	1.5	0	12.5	10.8 - 13.2	1%	83
CM150JS24	24	3	1.5	0	6.5	21.6 - 26.4	1%	86
CM150JS48	48	3	1.5	0	3.2	43.2 - 52.8	1%	87

Dimensions are inches (mm) unless noted





Termination	
1	AC/L
2	AC/N
3	CASE GROUND
4	-VOUT
5	-VOUT
6	+VOUT
7	+VOUT

See Model Selection Table for Model Specific Parameters

Input Parameters	Min	Typ	Max	Units
Input Voltage Range Selected by switch Designed for optimal performance in the nominal input range of 110 - 240VAC.	88 176	115 230	132 264	VAC VAC
Input Frequency	47	60	63	Hz
Inrush Current 230 VAC Full Load Cold Start			35	A
Input Fuse	**T5A/250VAC**			
Output Parameters	**Min**	**Typ**	**Max**	**Units**
Ripple & Noise (20MHz) 5V 12V 24V 48V			80 100 100 200	mV
Set-up Time (230 VAC Full Load)		500		ms
Rise Time (230 VAC Full Load)		80		ms
Hold Time (230 VAC Full Load)		20		ms
Over Voltage Protection	115		145	% of Vo
Over Load Protection	120		150	% of Vo
Short Circuit Protection	Automatic Recovery			
General Specifications	**Min**	**Typ**	**Max**	**Units**
Isolation Voltage, 60 seconds	3000			VAC
Isolation Resistance 500VDC	100			Mohms
Operating Temperature (Ambient)	-20	25	+70	ºC
Storage Temperature	-40	25	+85	ºC
Humidity			90	%
MTBF (MIL-HDBK-217F)	230			K Hours
Cooling	Free-Air Convection			
Case Size	7.83 x 3.86 x 1.63 inches 199 x 98 x 42 mm			
Weight	700g			

Notes:

1. Specifications typical at Ta=+25ºC, 230VAC, 60Hz input voltage, rated output current unless otherwise noted.
2. Ripple & Noise measured with a 0.1 µF ceramic and 22 µF electrolytic in parallel with output, 20MHz bandwidth.
3. Long term short circuit operation may cause damage to the unit.
4. Water washability - ConTech Mounted Power Supplies are not sealed and should not be subjected to any type of wash process.
5. See ConTech website for Definition of Terms, Application Notes, and Test Setups and Parameters. www.ConTech-us.com/appnotes.html.
6. Specifications subject to change without notice.
7. See ConTech website www.ConTech-us.com/pdf/rohs.pdf for RoHS Statement.

Derating Curves