MTDA60A SERIES

60W Desktop Power Supply for I.T. Equipment

- Wide Input Voltage 90 to 264 VAC, 47 to 63Hz
- IEC-320-C14 Input Inlet
- Output Voltage Available From 12VDC Thru 48VDC
- Single Output
- Class I Insulation
- Energy Star 2.0, CEC V, and RoHS compliance

1 Year Warranty

Approvals:

Single Output

Product Number	Output Voltage	Max. Output Current	Total Regulation	Maximum Output Power
MTDA60A-S05	12 ~ 13 VDC	5.00 ~ 4.61 A	5%	60W
MTDA60A-S06	13 ~ 16 VDC	4.61 ~ 3.75 A	5%	60W
MTDA60A-S07	16 ~ 21 VDC	3.75 ~ 2.85 A	5%	60W
MTDA60A-S08	21 ~ 27 VDC	2.85 ~ 2.22 A	3%	60W
MTDA60A-S09	27 ~ 33 VDC	2.22 ~ 1.81 A	3%	60W
MTDA60A-S10	33 ~ 40 VDC	1.81 ~ 1.50 A	3%	60W
MTDA60A-S11	40 ~ 48 VDC	1.50 ~ 1.25 A	3%	60W

Total Regulation is conditioned by below configuration
(S05~S07: AWG16/4FT output cable)
(S08~S09: AWG18/4FT output cable)
(S10~S11: AWG20/4FT output cable)

Electrical Characteristics

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Input Voltage	Universal Input Voltage	100		240	VAC
	Operating Voltage	90		264	VAC
Input Frequency		47		63	Hz
Output Power Range	Vin=100 to 240VAC	0		60	W
Input Current (Low Line)	Io=Full load, Vin=115VAC			1.6	A
Input Current (High Line)	Io=Full load, Vin=230VAC			0.7	A
High Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=230VAC			105	A
Efficiency	Io=Full Load, Vin=230VAC	87			%
Line Regulation	Io=Full Load		0.5	1	%
Load Regulation	Vin=230VAC		3	5	%
Over Current Protection		110		150	%
Transient Response	Io=Full Load to Half Load, Vin=100VAC			4	mS
Hold-Up Time	Io=Full Load, Vin=230VAC	10			mS
Start Up Time	Io=Full Load, Vin=100VAC		2	3	S
Ripple & Noise (Peak to Peak)	Full Load, Vin=90VAC		0.5	1	%
Safety Ground Leakage Current	Io=Full Load, Vin=240VAC		0.5	0.75	mA
Temperature Coefficient	All output	-0.04		0.04	%/°C
No-load Power Consumption	No load, Vin=240VAC		0.4	0.5	W

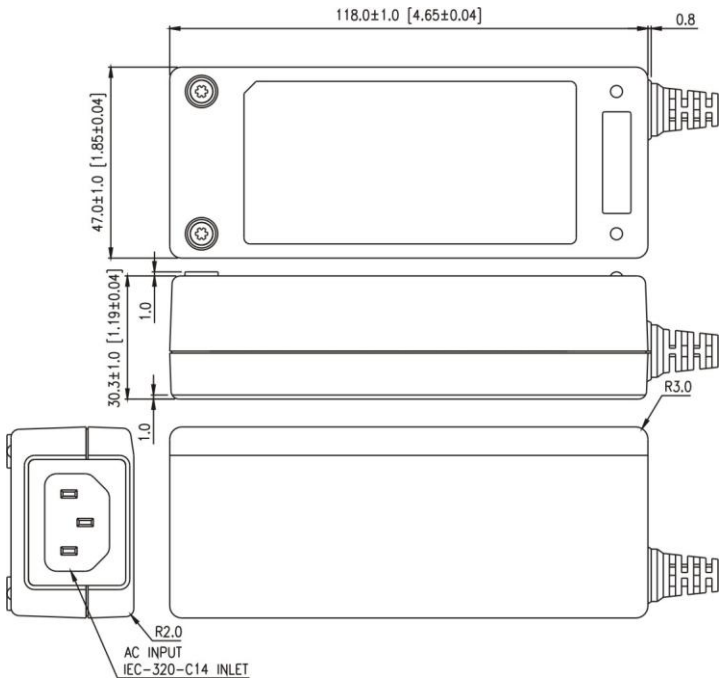
Conditions

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Operating Temperature		0	40	70	°C
Storage Temperature		-40		85	°C
Operating Humidity		0		95	%
Storage Humidity		0		75	%
Operating Temperature at 25°C, Calculated per MIL-HDBK-217F		0.1M			Hrs

Approvals and Compliance

Parameter	Test Conditions	Min.	Unit
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
EMI requirements for CISPR-22	Vin=220VAC	B	CLASS
EMI requirements for FCC PART-15	Vin=110VAC	B	CLASS

Mechanical and PIN out



Note:

1. Dimensions are shown in mm.
2. Weight: 340g approx.
3. Optional output connector.