

## MTWA16 SERIES



## 15W Multi-Plug Wall Mount for I.T. Equipment

- Wide Input Voltage 90 to 264 VAC, 47 to 63Hz
- Interchangeable AC plug(USA, UK, Europe, Australia)
- Output Voltage Available From 5VDC Thru 48VDC
- Single Output
- Class II 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
MTWA16-S02	5 ~ 5.99 VDC	2.40 ~ 2.00 A	5%	12W
MTWA16-S03	6.5 ~ 8 VDC	1.85 ~ 1.50 A	5%	12W
MTWA16-S04	8 ~ 11 VDC	1.68 ~ 1.22 A	5%	13.5W
MTWA16-S05	11 ~ 13 VDC	1.36 ~ 1.15 A	5%	15W
MTWA16-S06	13 ~ 16 VDC	1.15 ~ 0.94 A	5%	15W
MTWA16-S07	16 ~ 21 VDC	0.94 ~ 0.72 A	5%	15W
MTWA16-S08	21 ~ 27 VDC	0.72 ~ 0.55 A	3%	15W
MTWA16-S09	27 ~ 33 VDC	0.55 ~ 0.45 A	3%	15W
MTWA16-S10	33 ~ 40 VDC	0.45 ~ 0.37 A	3%	15W
MTWA16-S11	40 ~ 48 VDC	0.37 ~ 0.32 A	3%	15W

Total Regulation is conditioned by below configuration

(S02~S04: AWG18/4FT output cable)

(S05~S09: AWG20/4FT output cable)

(S10~S11: AWG22/4FT 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		15	W
Input Current (Low Line)	Io=Full load, Vin=115VAC			0.4	A
Input Current (High Line)	Io=Full load, Vin=230VAC			0.26	A
Low Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=115VAC		25	50	A
High Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=230VAC		50	100	A
Efficiency	Io=Full Load, Vin=230VAC	74.7	79	85	%
Line Regulation	Io=Full Load		0.5	1	%
Load Regulation	Vin=230VAC		3	10	%
Over Voltage Protection			Nil		%
Over Current Protection	Nil But, Output protected to short circuit conditions				%
Transient Response	Io=Full Load to Half Load, Vin=100VAC			4	mS
Hold-Up Time	Io=Full Load, Vin=230VAC	12			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			0.25	mA
Temperature Coefficient	All output	-0.04		0.04	%/°C
No-load Power Consumption	No load, Vin=240VAC		0.25	0.3	W

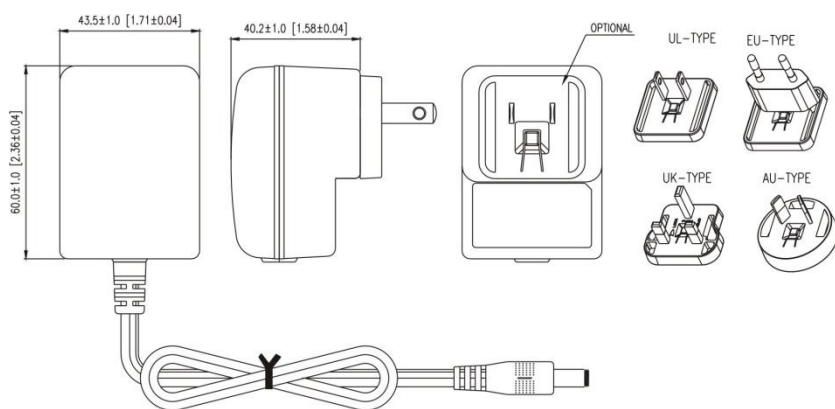
## Conditions

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
De-rate linearly from 100 % load at 40°C to 50 % load at 70°C					

## Approvals and Compliance

Parameter	Test Conditions	Min.	Unit
Dielectric Withstanding Voltage for Primary to secondary	Primary to secondary	4242	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: 165g approx.
3. Optional output connector.