



## DTMF250-SX-F-W6

## 250W AC/DC Switching Adapter-Single Output



### FEATURES:

- ITE 62368-1 & Medical 60601-1 approvals. ( Class I )
- 3-prong IEC320-C14, Class I (I/O Switch Option) - Fanless
- Medical safety approved ( 2x MOPP between primary to secondary )
- Suitable for BF application with appropriate system consideration.
- Altitude during operation: ITE/Medical up to 5000m.
- 0.15W No Load Input Power
- Touch current less than 100uA
- Meet IEC60601-1-2 Ed4:2014
- 3 year warranty



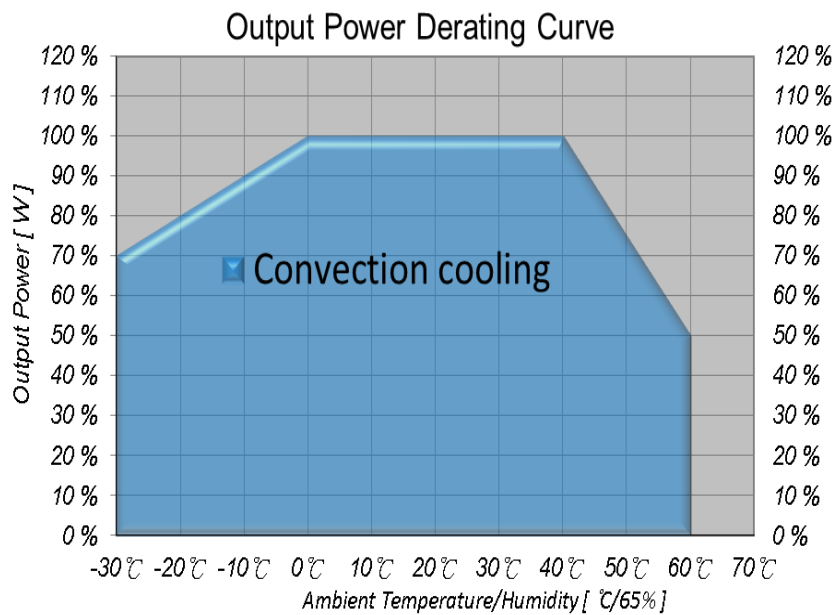
MODEL/CHANNEL		Unit	DTMF250-12SX-F-W6	DTMF250-19SX-F-W6	DTMF250-24SX-F-W6	DTMF250-28SX-F-W6
OUTPUT	Nominal Voltage	V	12	19	24	28
	Nominal Current	A	20.83	13.157	10.416	8.928
	Ripple & Noise Max	mV	240	300		
MODEL/CHANNEL		Unit	DTMF250-36SX-F-W6	DTMF250-48SX-F-W6	DTMF250-54SX-F-W6	
OUTPUT	Nominal Voltage	V	36	48	54	
	Nominal Current	A	6.94	5.208	4.629	
	Ripple & Noise Max	mV	300			
	Touch Current	-	< 100uA @264VAC			
	Temperature Coefficient	°C	±0.05% per°C maximum.			
	Output Regulation	%	±5			
	Output Power	W	250			
INPUT	Hold Up Time	ms	> 10ms typical @full load, 115VAC			
	Inrush Current	V	< 40A peak @115VAC; < 80A peak @230VAC cold start @25°C			
	Input Voltage Range	V	90-264VAC			
	Frequency	A	47-63Hz			
	Input Current (rms)	A	2.5A @115VAC; 1.3A @230VAC max.			
	Power Factor	-	> 0.95 @115VAC; > 0.9 @230VAC @full load			
	Efficiency	%	> 89% (Average) 25%, 50%, 75% and 100% of full load @ 115/230VAC			
	Earth Leakage Current	VAC	< 250uA @264VAC			
	Inrush Current	VAC	70A 230VAC Cold Start@25°C			





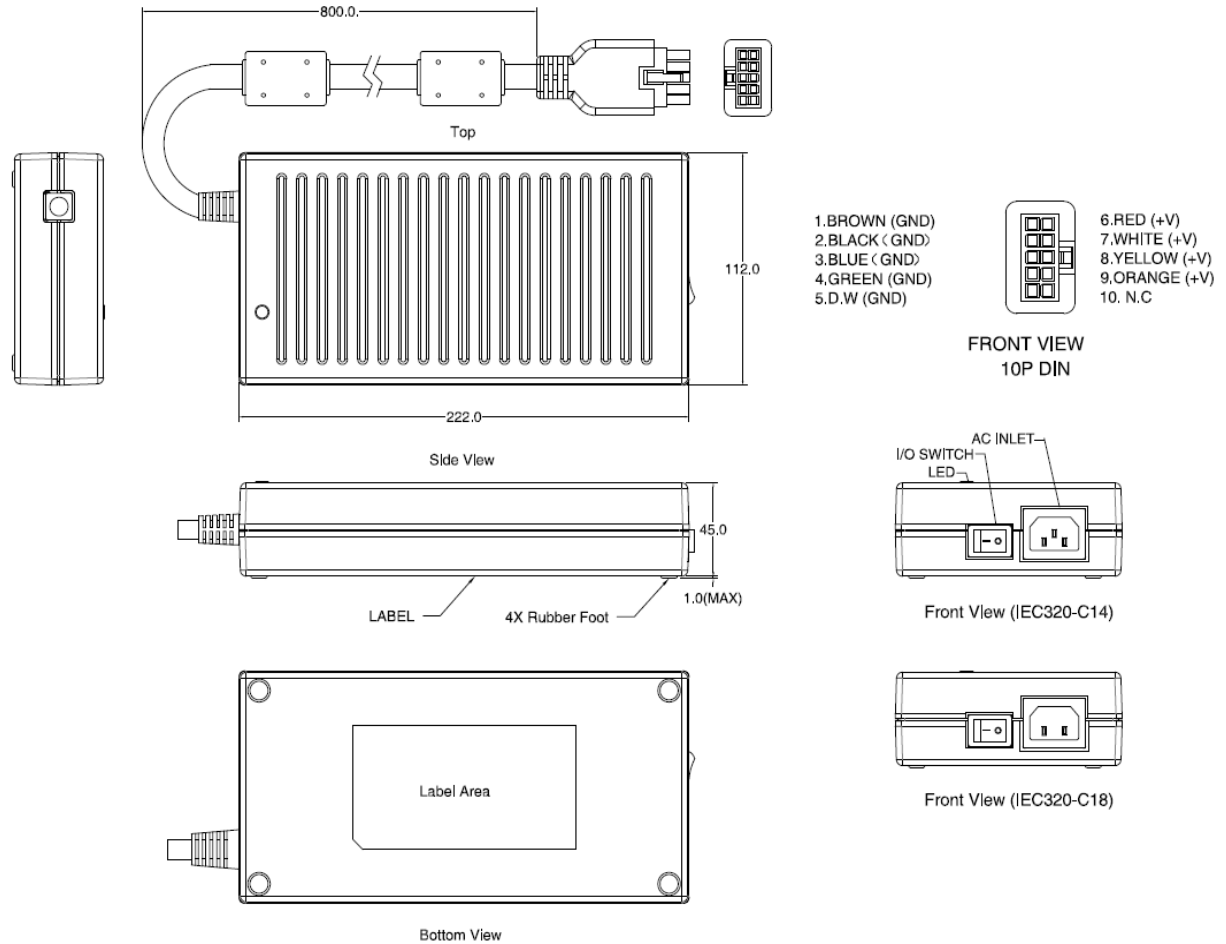
	MODEL/CHANNEL	Unit	
<b>Protection</b>	Overvoltage Protection	Vdc	Auto Recovery
	Short Circuit Protection	V	Auto Recovery
	Over Load Protection	%	105% to 160% maximum power, Auto Recovery
<b>Environmental Agencies</b>	Safety Standards	-	CCC UL/cUL UL60950-1 TUV EN60950-1 CB IEC 62368-1 CB IEC60601-1 3.1 PSE UL/cUL 62368-1 TUV EN62368-1 CB IEC 60950-1 TUV EN60601-1 3.1 UL/cUL 60601-1 3.1
	EMC Standards	-	EN 55011 Class B EN55032 Class B CE EN60601-1-2 Ed4:2015 EN55024 Class B FCC Part 15 Class B FCC Part 18 Class B IEC60601-1-2 Ed4:2014
<b>Environment</b>	Operating temp. & Humidity	-	-20 to +60°C (Refer to "Derating Curve")
	Storage temp. & Humidity	-	-20°C to +85°C; Non-condensing 0% to 95%
	Cooling	-	Convection-cooling
	MTBF Demonstrated	H	> 200,000 hours @ full load and 25°C ambient temperature based on Bellcore TR-332
<b>Dimension</b>	Size(WxHxD)/Weight	mm/g	200Lx90Wx45H/1300

## Derating Curve 250W





## Dimensional Drawing



Dimension : L222(8.74") x W112(4.4") x H45(1.77")mm  
NOTE : TOLERANCE: +/-1mm(0.04")(LxWxH)





## Cable Drawings

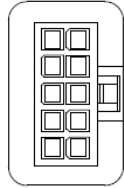
### DC Output Connector

Standard male plug(power supply side): 10 PIN Mini Fit Pitch:4.2mm

Mating Connector : Molex P/N: 39-28-1103 or equivalent.

DC output cable: 8C+1, UL2464, 16AWG, VW-1, 80°C, 300V

- 1.BROWN (GND)
- 2.BLACK (GND)
- 3.BLUE (GND)
- 4.GREEN (GND)
- 5.D.W (GND)



- 6.RED (+V)
- 7.WHITE (+V)
- 8.YELLOW (+V)
- 9.ORANGE (+V)
10. N.C

FRONT VIEW  
10P DIN

