SERIES: ETMA 110W | **DESCRIPTION:** MEDICAL DESKTOP ADAPTER

FEATURES

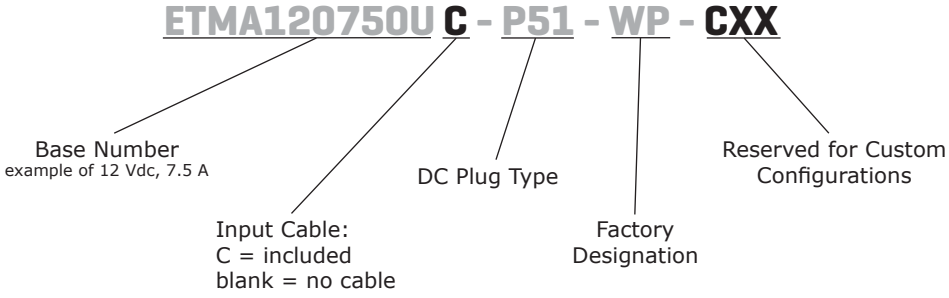
- up to 110 W power
- universal input (90~264 Vac)
- single regulated output from 12~24 V
- over voltage, overload and short circuit protections
- full medical safety approvals
- level V efficiency
- custom designs available

V-Infinity

MODEL	output voltage (Vdc)	output current max (A)	output power max (W)	ripple[1] max (mVp-p)	efficiency level
ETMA120750U	12	7.5	90	120	V
ETMA135667U	13.5	6.67	90	135	V
ETMA150667U	15	6.67	100	150	V
ETMA190580U	19	5.8	110	190	V
ETMA200550U	20	5.5	110	200	V
ETMA240460U	24	4.6	110	240	V

1. at full load, 100 ~ 240 Vac input, 20 MHz bandwidth oscilloscope, each output terminated with a 10 µF / 50 V electrolytic and 0.1 µF ceramic capacitors.

PART NUMBER KEY



INPUT

parameter	conditions/description	min	typ	max	units
voltage		90		264	Vac
frequency		47		63	Hz
input current	at 90 Vac, 50 Hz			2	A
inrush current	at 230 Vac, cold start			70	A
no load power consumption				0.3	W

OUTPUT

parameter	conditions/description	min	typ	max	units
total regulation	19, 20, 24 V outputs all other outputs		±3 ±5		% %
hold-up time	at 115 / 230 Vac, full load	10			ms
temperature coefficient				±0.05	%/°C

PROTECTIONS

parameter	conditions/description				
over voltage protection	13.5 V output 24 V output all other outputs	118 113 120		150 150 150	% % %
overload protection	shutdown and auto restart			160	%
short circuit protection	shutdown and auto restart				

SAFETY & COMPLIANCE

parameter	conditions/description	min	typ	max	units
isolation voltage	input to output for 2 seconds input to frame ground for 2 seconds			5,656 2,121	Vdc Vdc
insulation resistance	input to output, at 500 Vdc input to frame ground, at 500 Vdc	20 20			MΩ MΩ
safety approvals	UL/cUL UL 60601-1, TUV EN 60601-1, CB IEC 60601-1				
EMI/EMC	FCC Part 18 Class B, EN 60601-1 Class B, EN 55011 Class B				
leakage current				0.1	mA
MTBF	at 25°C, max. load	100,000			hours
RoHS compliant	yes				

ENVIRONMENTAL

parameter	conditions/description	min	typ	max	units
operating temperature		0		40	°C
storage temperature		-10		70	°C
humidity	non-condensing	10		90	%

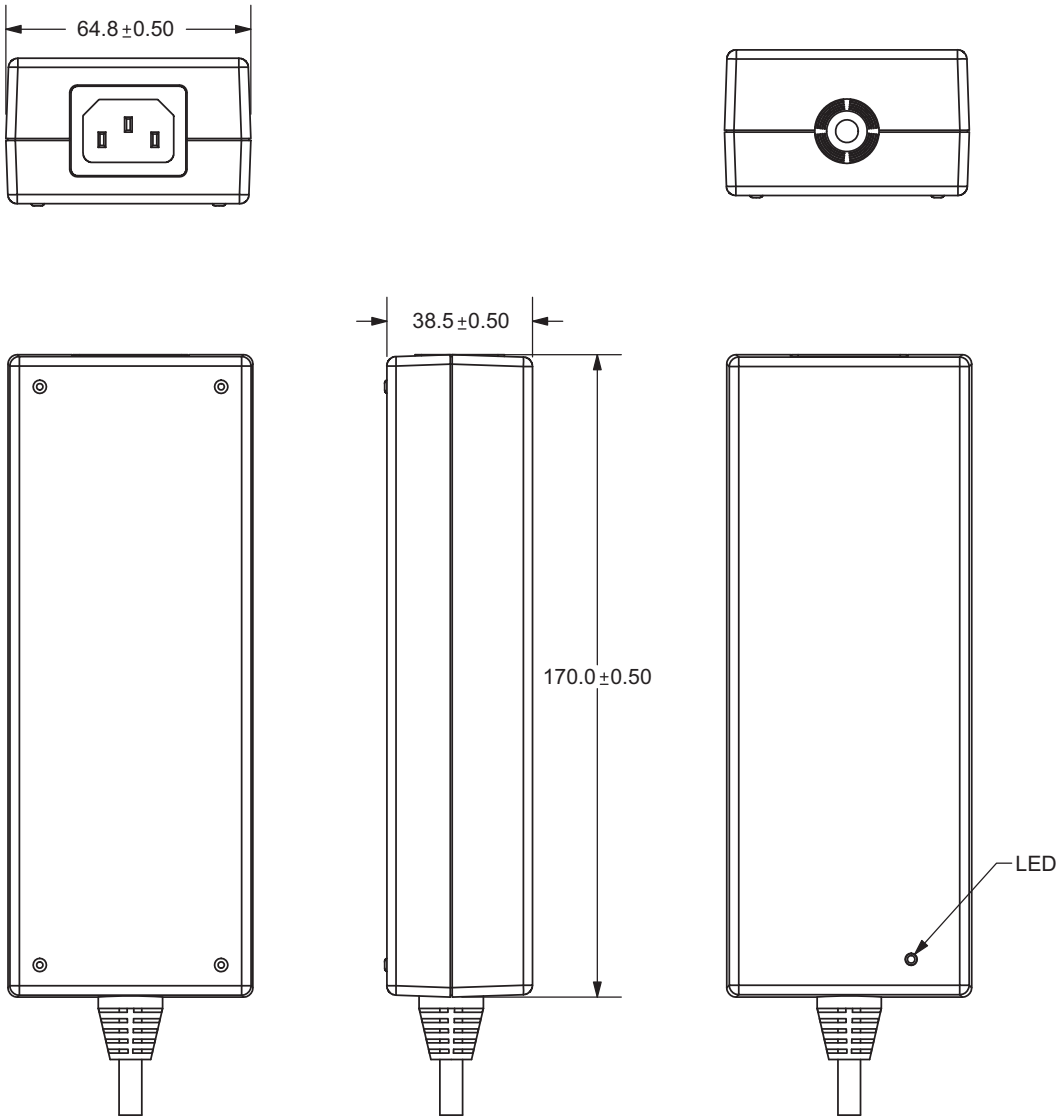
MECHANICAL

parameter	conditions/description	min	typ	max	units
dimensions	6.69 x 2.55 x 1.52 (170 x 64.8 x 38.5 mm)				inch
weight			0.61		kg

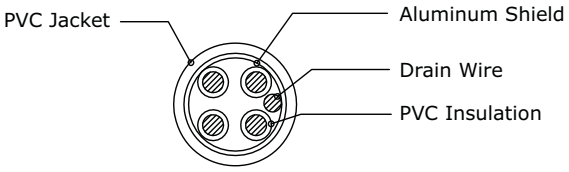
MECHANICAL DRAWING

units: mm

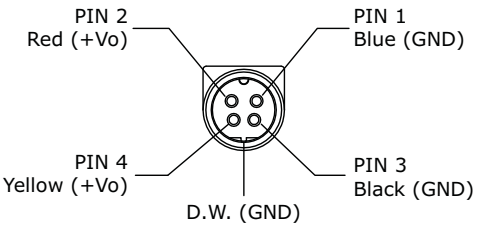
input plug	IEC320 / C14



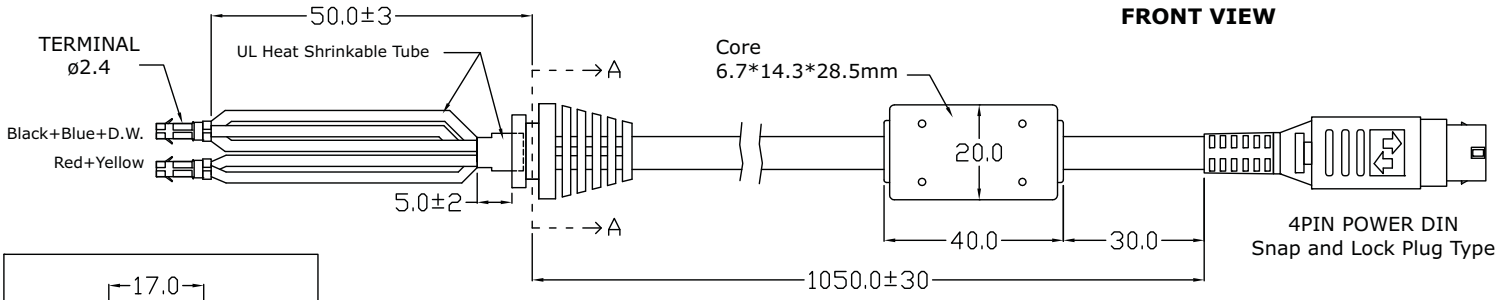
DC CORD

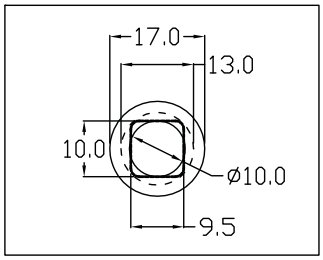


[2464#18AWG 4C+1]
SECTIONAL DRAWING

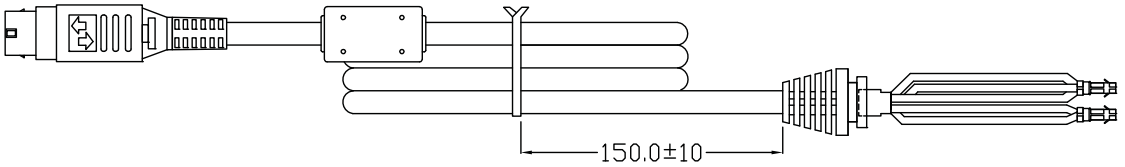


4P POWER DIN
FRONT VIEW



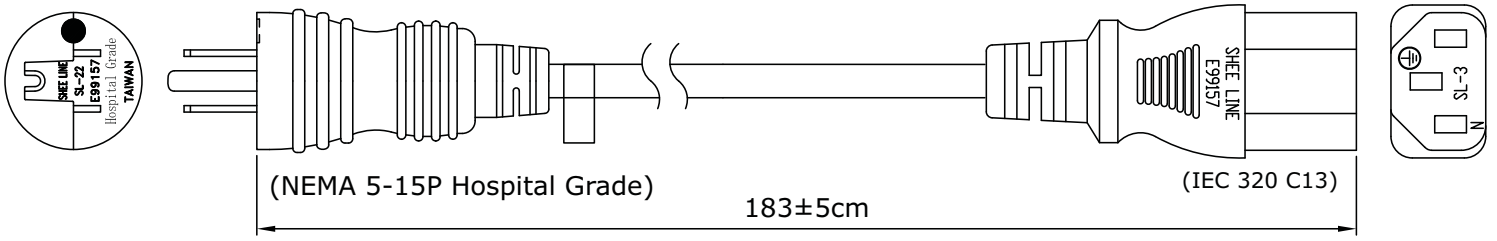


SECTION A-A



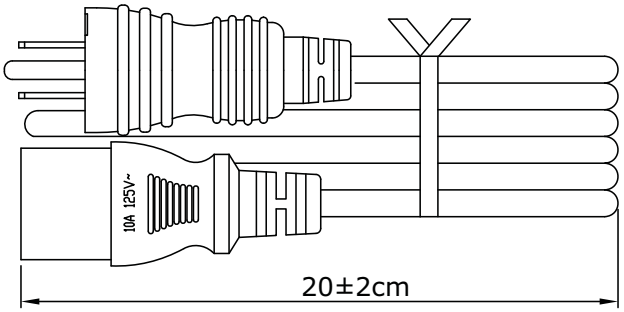
COMPONENT LIST
1. Cable: color black, UL/CSA 2464 80/90°C 300V 18 AWG X 4C+Aluminum Shield 2. PVC Wire: U/C color: black/blue/red/yellow 3. Connector: 4PIN power DIN or EQ 4. ø2.4 5. 4PIN power DIN (female) MDP-002-4PIN (P530600004F0001)

AC CORD



SPECIFICATION:

1) Length: 1.83m
2) Color: black
3) Plug: SL-22 (A)10 (V)125 Approval: UL/cUL
4) Connector: SL-3(A)10 (V)125 Approval: UL/cUL
5) Cable: SJT 18AWG/3C Approval: UL/CSA



REVISION HISTORY

rev.	description	date
1.0	initial release	03/05/2012

The revision history provided is for informational purposes only and is believed to be accurate.

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