Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

MODEL: AMD-24V080WxyA

Features:

- 80Watts Output Power.
- 100-240Vac Universal Input.
- AC Receptacle with C14 (IEC320AC receptacle)
- Efficiency > 87%
- No load power consumption < 0.5W
- Energy star Compliant (Level V)
- Low leakage current
- Brownout & Brownout Recovery
- Medical safety standard compliant UL60601-11/EN60601-1/CSA60601-1
- MTBF: > 600,000 Hrs.

Summary

The AMD-24V080WxyA is the Medical Adapter from one of the world's largest power supply manufacturers -Delta.

The product offers a regulated output voltage of 24V, along with wide temperature range from 0°C to +40°C and a minimum holdup time of 15ms.

The state-of-the-art design is made to withstand medical equipment requirements. The rugged, ultra-compact plastic case with shock and vibration resistants.

The 80 watts Medical power supply provides overvoltage, overload and over temperature protection.

Due to the wide input voltage range from 90 to 264Vac (Nominal input: 100Vac to 240 Vac), the Delta's medical power supply is worldwide usable.

The Input Socket & output connector are made for easy installation.

Technical Data

80W Medical Adapter	
Input Data (1)	
Nominal input voltage (wide-range input)	100V-240vac
Input Voltage range	90V-264vac
Frequency	47-63 Hz
Max Input Current	0.9A max @ 115 Vac, 0.45A max @ 230 Vac.
Inrush current limitation. I^2t (+25 °C) typ.	40A @ 115vac & 80A @ 230Vac
Efficiency (at 115VAC and nominal values)	>87%
No load power consumption	>0.5W
Mains buffering at nominal load (typ.)	15 msec min @ 115 Vac
Turn-on time after applying the mains voltage	3Sec
Transient surge voltage protection	VARISTOR
Input fuse, internal (device protection)	T 3.15 AH / 250V
Discharge current to PE	< 0.25mA
Connection Method	Pluggable

Output Data (2)	
Nominal output voltage U_N / tolerance	24V ± 2%
Setting range of the output voltage	23.5V-24.5V
Nominal output current IN with convection cooling:-20 to +50°C	3.3A
Max. power dissipation idling/nominal load approx.	80W
Ripple/ Noise (20 MHz)	<240mVpp @ +25 °C
Line Regulation	$\pm$ 0.5%
Load Regulation :	Exclude output cord : $\pm$ 1% Include output cord $\pm$ 5%
Protection :	Over current (Auto Recovery) Over Voltage (Auto Recovery) Over Temp (Latch)

Certification/Standards	
Electrical safety (of information technology equipment)	UR/cUR As per STD UL60601-1/CSA60601-1, CB scheme to EN/IEC60601-1, DEMKO EN60601-1 CE Mark LVD and EMC
RoHS Compliant	**Yes**

General Data	
MTBF	> 600,000 Hrs
Type of housing	Plastic Enclosed
Dimensions (W / H / D) + mounting rail	70W * 50H * 150L mm
Weight	0.55kg.
Climatic Data	
Ambient temperature (Operating)	0 °C to 40 °C
Ambient temperature (Storage)	-35 °C to + 85 °C
Humidity	5% to 95% non-condensing
In conformance with EMC guideline 89/336/EEC and low voltage directive 73/23/EEC **EMC (electromagnetic compatibility)**	FCC (Title 47 Part 15 Class B), EN55022 (CISPR 22 Class B)
Immunity to interference according to EN 61000-6-1	
• EN 61000-4-2 [2] Housing Discharge of static electricity (ESD) Contact discharge: Air Discharge :	Level 4 8 kV 15 kV
• EN 61000-4-3 [1] Housing Electromagnetic HF field Frequency/Field intensity:	Level 3 80Hz – 1GHz / 10V/M, with 1kHz tone/80% modulation
• EN 61000-4-4 [2] Input Fast transients (Burst): L,N,PE : Signal:	Level 3 2kV[3] -
• EN 61000-4-5 [2] Input : Surge voltage capacities (Surge): Common Mode : Differential Mode :	Level 3 2kV[3] 1kV[4]
• EN 61000-4-6 [1] I/O: • Conducted disturbance Frequency / U_o:	Level 3 0.15MHz - 80MHz / 10Vrms.
• EN 61000-4-11 [2] Voltage dips	Self recoverable, No damage
Noise emission according to EN 61000-6-3 • Emitted radio interface • Radio interference voltage	EN55011 (EN55022) CLASS B[5] EN55011 (EN55022) CLASS B[5]
EN55011 corresponds to CISPR11 / EN55022 corresponds to CISPR22 / EM 61000 corresponds to IEC 1000 1) Criterion A: Normal operating behavior within the defined limits. 2) Criterion B: Temporary impairment to operational behavior that is corrected by the device itself. 3) Symmetrical: Conductor to conductor. 4) Asymmetrical: Conductor to ground. 5) Class B: Area of application industry and residential	

Numbering for Medical Adapter

For example: **AMD-24V080WxyA**

XX X XXXX XXXX X XX

XX…………………..Product Type

AM	Medical Adapter

XX **X** XXXX XXXX X XX

X…………………Model

D	Desktop

XX X **XXXX** XXXX X XX

XXXX…………………..Voltage

24V	24 Voltage

XX X XXXX **XXXX** X XX

XXXX……………Watt

030W	30 Watt
060W	60 Watt
080W	80 Watt

XX X XXXX XXXX **X** XX

X……………...Input Configuration

2	2 PIN AC
3	3 PIN AC

XX X XXXX XXXX X **X** X

X……………...Connector Type

A	Inner diameter 2,5 mm
B	Inner diameter 2,1 mm

*** Outer Diameter 5,5 mm.
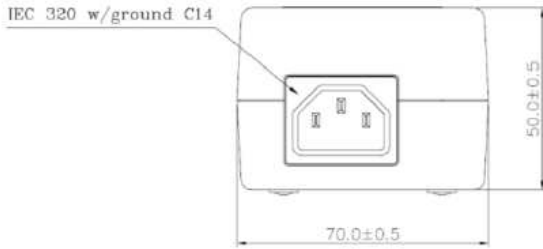
XX X XXXX XXXX XX **X**
**X…………………..Variation
(Eg, Customer, material Etc.)**

A	Delta Standard - product

Mechanical drawing

Input Configuration

IEC 320 w/ground C14

50.0±0.5

70.0±0.5

Output Connector

PIN 1
PIN 3
PIN 4
45°
PIN 5
PIN 2
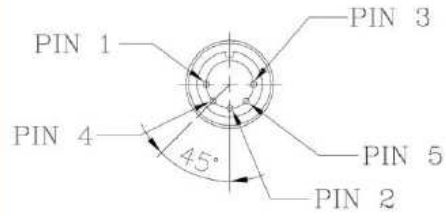
Pin#	Connection
1,2,4	GND
3,5	+V

Mechanical Specification

150.0±0.5

CABLE LENGTH 1500± 50