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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!



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MODEL: AMD-12V030WxyA**Summary**

The AMD-12V030WxyA is the Medical Adapter from one of the world's largest power supply manufacturers -Delta.

The product offers a regulated output voltage of 12V, 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 resistances.

Features:

- 30Watts Output Power.
- 100-240Vac Universal Input.
- AC Receptacle with C8 & C14 option (IEC320AC receptacle)
- Efficiency > 83.5%
- No load power consumption < 0.3W
- 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.

The 30 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

30W 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	0.65A max @ 115VAC, 0.40A max @ 230VAC
Inrush current limitation. I ² t (+25 °C) typ.	25A @ 115VAC & 50A @ 230VAC
Efficiency (at 115VAC and nominal values)	> 83.5%
No load power consumption	< 0.3W
Mains buffering at nominal load (typ.)	15 msec min @ 115VAC
Turn-on time after applying the mains voltage	3Sec
Transient surge voltage protection	VARISTOR
Input fuse, internal (device protection)	T 3.15 AH / 250VAC
Discharge current to PE	< 0.25mA
Altitude	3,000 m.
Output Data (2)	
Nominal output voltage U _N / tolerance	12V ± 2%
Setting range of the output voltage	11.7V-12.3V
Nominal output current I _N convection cooling	2.5A
Max. power dissipation idling/nominal load approx.	30W
Ripple/ Noise (20 MHz)	<120mVpp @ +25 °C
Line Regulation	± 0.5%
Load Regulation :	Exclude output cord : ± 1% Include output cord ± 5%
Protection :	Over Current (Auto Recovery) Over Voltage (Latch) Over Temperature (Latch)
Certification/Standards	
Electrical safety (of information technology equipment)	UR/cUR As per STD UL60601-1/CSA60601-1, CB scheme to EN/IEC60601-1, NEMKO EN60601-1, CE Mark LVD and EMC
RoHS Compliant	Yes



General Data	
MTBF	> 600,000 Hrs
Type of housing	Plastic Enclosed , 94V-1 Polycarbonate, Black
Dimensions (W / H / D)	62 * 30 * 110 mm
Weight	220 g. (reference)
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	FCC (Title 47 Part 15 Class B), EN55022 (CISPR 22 Class B)
EMC (electromagnetic compatibility)	
Immunity to interference according to EN 61000-6-1	
<ul style="list-style-type: none"> EN 61000-4-2²⁾ Discharge of static electricity (ESD) 	Housing Contact discharge: Level 4 8 kV Air Discharge : 15 kV
<ul style="list-style-type: none"> EN 61000-4-3¹⁾ Electromagnetic HF field 	Housing Frequency/Field intensity: Level 3 80Hz – 1GHz / 10V/M, with 1kHz tone/80% modulation
<ul style="list-style-type: none"> EN 61000-4-4²⁾ Fast transients (Burst): 	Input L,N,PE : Level 3 2kV ³⁾ Signal: -
<ul style="list-style-type: none"> EN 61000-4-5²⁾ Surge voltage capacities (Surge): 	Input : Level 3 Common Mode : 2kV ³⁾ Differential Mode : 1kV ⁴⁾
<ul style="list-style-type: none"> EN 61000-4-6¹⁾ Conducted disturbance 	I/O: Level 3 Frequency / U _o : 0.15MHz - 80MHz / 10Vrms.
<ul style="list-style-type: none"> EN 61000-4-11²⁾ Voltage dips 	Self recoverable, No damage
Noise emission according to EN 61000-6-3	
<ul style="list-style-type: none"> 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-12V030WxyA**

XX X XXXX XXXX X XX

XX.....**Product Type**

AM	Medical Adapter
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XX **X** XXXX XXXX X XX

X.....**Model**

D	Desktop
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XX X **XXXX** XXXX X XX

XXXX.....**Voltage**

12V	12 Voltage
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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
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Mechanical drawing

