


Model:GT-83034-05VV-W2E

May 2, 2024

GT-83034-05VV-W2E

Information

Model Number	GT-83034-05VV-W2E
Description	GT-83034-05VV-W2E, ICT/ITE Power Supply, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, European CEE 7/16 configuration:EN 50075 Europlug 2 PIN, Output Rating: 5 Watts, Power rating with convection cooling (W) , 5-12V in 0.1V increments, Approvals:
Model Picture	
Agency Documents	Pending
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000C2XOMEA3
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000C2XOMEA3
REACH Declaration	https://www.globtek.com/pdf/iso_certificates/REACH.pdf
Conflict Minerals Declaration	https://www.globtek.com/pdf/conflict-minerals.pdf

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MODEL PARAMETERS

Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.2A
Wattage (W)	5.0
Vout Range (V)	5-12
Efficiency Level	V
Ingress Protection	
Size (mm)	66*41*25

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ENCLOSURE

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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

1. Input Voltage: 90-264 Vac
2. Input Current: 0.2 A RMS max
3. Input Frequency: 47 - 63 Hz
4. Output Regulation: +/- 5% measured at the output connector
5. Line Voltage Regulation: +/- 2% typical measures at full load
6. Output Ripple (Vp-p): 100 mV measured at 20 MHz bandwidth with 0.1 uf ceramic capacitor in parallel with 10 uf electrolytic capacitor connected at the end of output connector at nominal line
7. Turn-On/Turn-Off Overshoot: 5% maximum, 1mS typical recovery time for 25% step load
8. Turn-On Delay: <3 second typical
9. Hold-Up Time: 5mS typical @ nominal input voltage & full load
10. Inrush Current: 30A typical @ 115Vac input ; 60A typical @ 230Vac input
11. Switching Frequency: 65 KHz typical
12. Efficiency: 68.17% average

B) PROTECTION

1. Over-Voltage: Electronically Protected, unit will recover upon removal of fault
2. Short Circuit: Electronically Protected, unit will recover upon removal of fault
3. Input Protection: Input line fusing

C) SAFETY

1. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
2. Earth Leakage Current: <0.25 mA @ nominal input voltage

D) OTHER:

1. MTBF: 200,000 hours @ 25°C ambient temperature
2. Operating Temperature: 0°C to 40°C ambient temperature
3. Humidity: 20% to 85% relative humidity
4. Storage Temperature: -20°C to 80°C
5. Storage Humidity: 5% to 95% relative humidity

E) ENCLOSURE

1. Upper Housing: High impact plastic, 94V0 polycarbonate, non-vented
2. Lower Housing: High impact plastic, 94V0 polycarbonate, non-vented
3. Size: 67.5*26.5*52.4 mm +/-1.0
4. Weight: 80 g maximum

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DERATING CURVE

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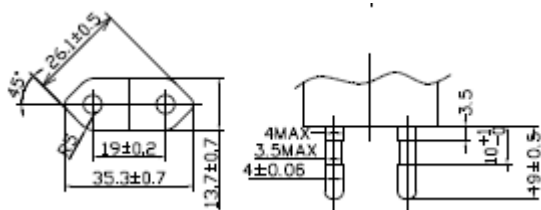
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INPUT CONFIGURATION

Description

European CEE 7/16 configuration:EN 50075 Europlug 2 PIN

The prongs of the Europlug are 19 mm long. They consist of a 9 mm long conductive tip of 4 mm diameter with a rounded ending, followed by a 10 mm long flexible insulated shaft of not more than 3.8 mm diameter. The two prongs are not exactly parallel and converge slightly; their centres are 19 mm apart at the tip and 18.6 mm apart at the base. The elasticity of the converging prongs provides sufficient contact force for the Europlug's current rating with a variety of socket-hole arrangements. The entire plug is 35.3 mm wide and 13.7 mm high, and must not exceed these dimensions within 18 mm behind its front plane (this allows for the recesses on many European socket types). The left and right side of the plug are formed by surfaces that are at 45° relative to the horizontal plan.



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OUTPUT CONFIGURATION

Common output connector options:



L Type (Coaxial
5.5x2.5mm plug)



C Type (Coaxial
5.5x2.1mm plug)



K Type (Coaxial
3.5x1.3mm plug)



LL Type (5.5x2.5mm
Locking 760k type)



CL Type (5.5x2.1mm
Locking S761k type)



ML2 Type (Molex
housing 43025-0200)



YL3 Type
(KPPX-3P)



YL4 Type (KPPX-4P)



EJ1/2/3/4/5 (EIAJ
RC-5320A type
connectors)



MSB Type (Micro
USB)



USBC Type (USB
Type C)



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Approvals

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