

Delivering leading edge, innovative power solutions for more than 30 years....

Model:GT-83054-06VV-x.x-W2E

August 7, 2020

GT-83054-06VV-x.x-W2E

Information

Model Number	GT-83054-06VV-x.x-W2E
Description	GT-83054-06VV-x.x-W2E, 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: 6 Watts, Power rating with convection cooling (W) , 5-12V in 0.1V increments, Approvals:

Model Picture



Agency Documents

CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000LNSfkEAH
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000LNSfkEAH
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

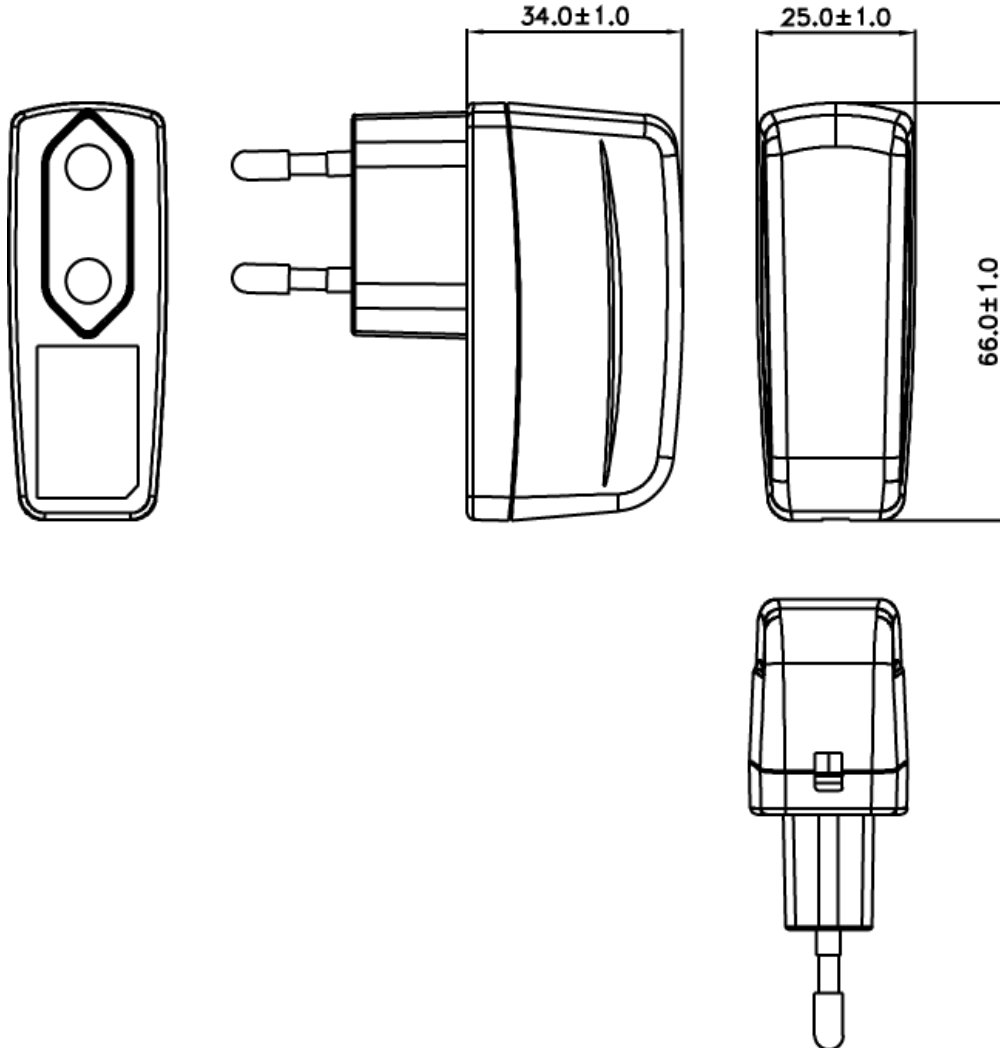
Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.2
Wattage (W)	6.0
Vout Range (V)	5-12
Efficiency Level	
Ingress Protection	
Size (mm)	

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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: Specified 90-264 Vac, Nameplate rated: 100-240Vac
2. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
3. Output Power (Rated): 5 Watts max
4. Output Regulation: +/- 5% for main output, measured at the output connector
5. Line Regulation: +/- 2% Max at full load
6. Output Ripple (Vp-p): 100 mV P-P Max at 20 MHz and output parallel with 0.1uf and 10uf capacitors to ground temperature at 25°C, at 115/230 Vac input voltage
7. Turn-On/Turn-Off Overshoot: 5% maximum, 500 uS max recovery time for 25% step load
8. Turn-On Delay: <2 second
9. Hold-Up Time: 5 mS min at nominal input voltage & full load
10. Switching Frequency: 65 KHz typical
11. No load power consumption: complies with Energy Star and EISA, efficiency Level IV(North America)

B) PROTECTION

1. Over-Voltage: Electronically Protection: protected, unit will recover upon removal of fault
2. Over current/Short Circuit: Protected, unit will recover upon removal of fault
3. Other Protection: Input line fusing
4. Dielectric withstand voltage: 4242 Vdc primary-secondary, 2121 Vdc primary-ground

C) SAFETY

1. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
2. Touch Current: <0.25mA @ 240Vac 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: 0% to 90% relative humidity
4. Storage Temperature: 20°C to 85°C
5. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

E) ENCLOSURE

1. Upper Housing: High impact plastic, 94V0 polycarbonate, non-vented
2. Lower Housing: High impact plastic, 94V0 polycarbonate, non-vented
3. Size: 66*34*25 +/-1.0mm

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DERATING CURVE

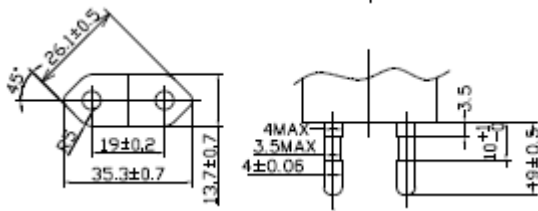
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INPUT CONFIGURATIONDescription European CEE 7/16 configuration:EN 50075 Europlug 2 PIN

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)

 Inquire for custom
design

 For a comprehensive list of options, [click here](#)

Contact GlobTek for your specific requirements or custom solutions.

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Approvals

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