

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

Model:GT-R5100-10VV-x.x-USB (J-Blades)

May 18, 2024

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Information

Model Number	GT-R5100-10VV-x.x-USB (J-Blades)
Description	GT-R5100-10VV-x.x-USB (J-Blades), ICT/ITE Power Supply/Class 2 Power Unit, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, Blade Options for J Series Wall Plug-in Power Supplies, Output Rating: 10 Watts, Power rating with convection cooling (W) , 5VV in 0.1V increments, Approvals:

Model Picture



Agency Documents

CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000MnG4CEAV
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000MnG4CEAV
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/Class 2 Power Unit
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.3A
Wattage (W)	10.0
Vout Range (V)	5V
Efficiency Level	V
Ingress Protection	Indoor Use
Size (mm)	73.5.0 x 31.0 x 47.5.0

PROPRIETARY INFORMATION

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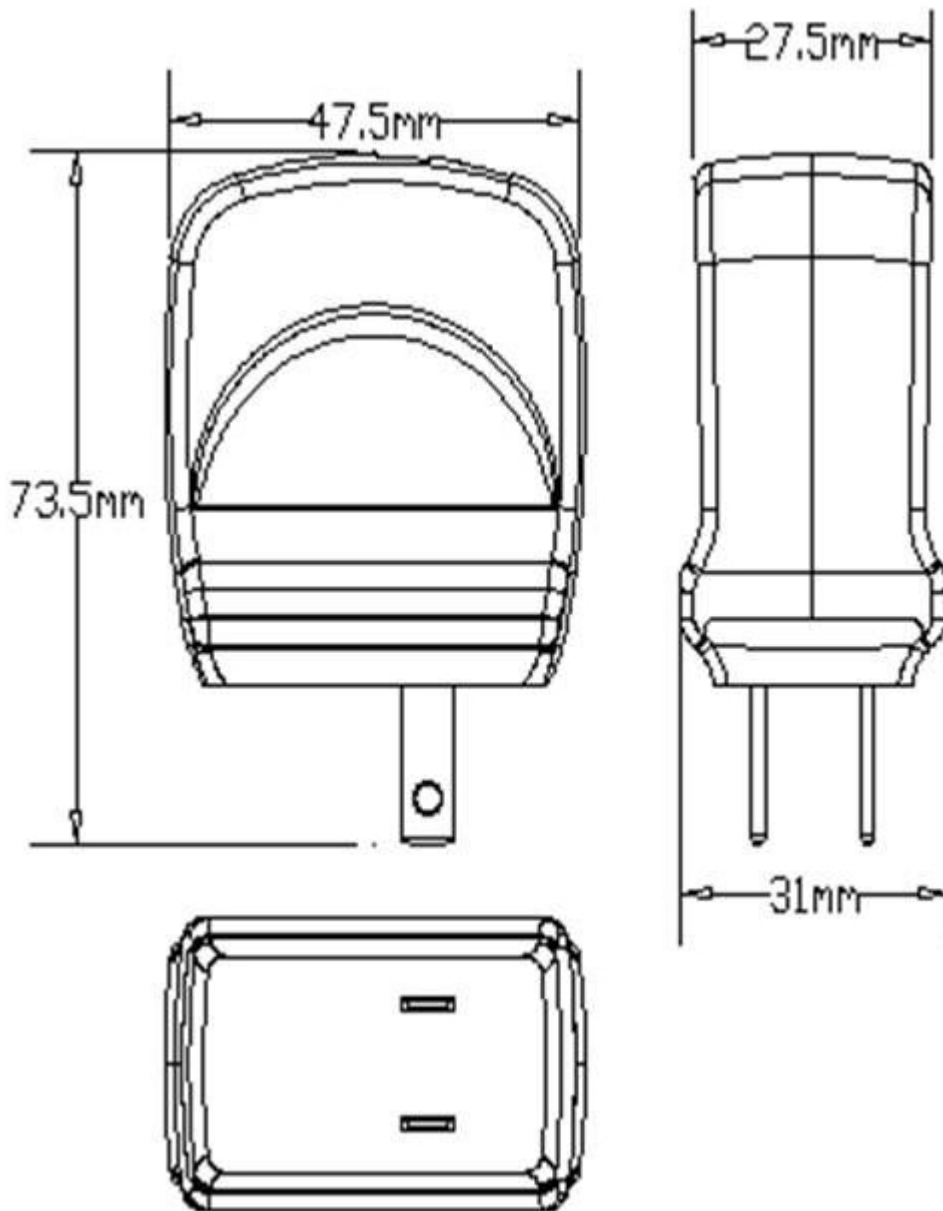
<https://www.globtek.com/ds/V9bw8qpVMRK/rPdwDsXimwU.html>

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-R5100-1005-USB	5 V	2	10.00	RFQ

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

1. Input Voltage: Specified 90-264 Vac, Nameplate rated 100-240 Vac
2. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60 Hz
3. Output Regulation: +/- 5% measured at the end of a 0.6 meter USB cordset employing #22 Gauge conductors
4. Line Voltage Regulation: +/- 3% typical measured at the end of a 0.6 meter USB cordset employing #22 Gauge conductors
5. Output Ripple (Vp-p): 150mV Ripples shall be measured with a 47uF electrolytic capacitor paralleled with a high-frequency 0.1uF ceramic capacitor across the output. The oscilloscope's bandwidth shall be set to 20MHz.
6. Turn-On/Turn-Off Overshoot: 5% maximum, 500 us maximum recovery time for 25% step load.
7. Turn-On Delay: 3000mS MAX at 115VAC Full Load
8. Hold-Up Time: 8mS Min at 100VAC Full Load
9. Inrush Current: No damage. On power when switching on/off repeatedly under any condition.
10. Switching Frequency: 66.5 KHz typical

B) PROTECTION

1. Over-Voltage: Output shut down and auto restart
2. Over Temperature Protection: Output shut down and auto restart
3. Short Circuit Protection Output shut down and auto restart
4. Over Load Protection Output shut down and auto restart
5. Input Protection: Input line fusing

C) SAFETY

1. Dielectric Withstand Voltage: 3000Vac or 4646Vdc 10mA 1 minute
2. Earth Leakage Current: N/A for Class II units, there is no PE Ground pin, so Earth Leakage current is not measured
5. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

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 95% relative humidity
4. Storage Temperature: -40°C to 80°C

E) ENCLOSURE

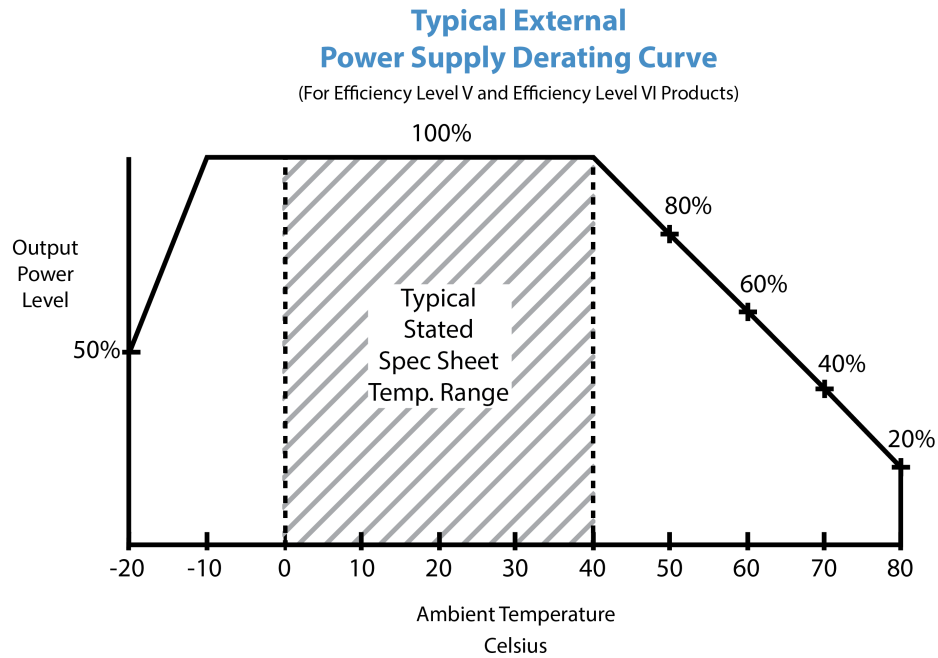
1. Housing: High impact plastic, 94V0 polycarbonate, non-vented
2. Size: 73.5 x 31.0 x 47.5 mm +/-1.0 mm
3. Markings: Label and/or Pad Printed and/or Molded in the case

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DERATING CURVE



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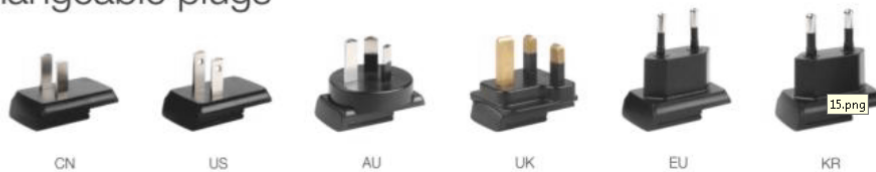
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INPUT CONFIGURATION

Description Blade Options for J Series Wall Plug-in Power Supplies

Data Sheet: <http://en.globtek.com/interchangeable-blades.php>Insertion Instructions: <http://www.globtek.com/pdf/Instructions-Interchangeable-Blades.pdf>Video: J-[Blade Style Instruction Video](#)

Exchangeable plugs



INPUT CONNECTOR: J-Socket (below are available blades configurations which are "not included" (unless stated above); can be purchased separately, package with power supply or as a separate "J-KIT" if specified

01. United States / Canada / Japan NEMA 1-15P configuration: NA 2 blades, Class II; US/CA/JP P/N: J-NA(R)
02. Australian AS 3112 configuration: SAA 2 blade, Class II; AU P/N: J-SAA(R)
03. UK BS 1363 configuration: UK 3 blade with dummy Ground, Class II; GB P/N: J-UK(R)
04. European CEE 7/16 configuration: Europlug 2 pins, Class II; EU P/N: J-EU(R)
05. Korean KS C8305 configuration: 2 pins, Class II; KR P/N: J-KR(R)
06. China GB 2099 configuration: 2 blades, Class II; CN P/N: J-CN(R)

Kits

01. J-KIT: 1,2,3,4 above
02. J-KIT-INTL: 2,3,4 above
03. J-KIT-5: 1,2,3,4,5 above
04. J-KIT-6: 1,2,3,4,5 and 6 above

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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

Logo	Description
	UKCA Certification