

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

Model:GT-41080CC-18VV-X.X-P2

October 31, 2020

## GT-41080CC-18VV-X.X-P2

### Information

Model Number	GT-41080CC-18VV-X.X-P2
Description	GT-41080CC-18VV-X.X-P2, ITE Power Supply, Potted/Encapsulated in plastic housing, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, Input Wires 2x 305mm stranded UL1015 or equivalent, White=Neutral and Black=Line, Output Rating: 18 Watts, Power rating with convection cooling (W) , 9-48V in 0.1V increments, Approvals: China RoHS; Double Insulation; CE; WEEE; IP20; Ukraine; RoHS; CB 60601-1; EAC; Level V;
Model Picture	
Agency Documents	<a href="http://www.globtek.info/certs/GT-41080/">http://www.globtek.info/certs/GT-41080/</a>
CE EC-Declaration	<a href="https://www.globtek.com/pdf/ec_declaration/a0Oa000000JBGTmEAP">https://www.globtek.com/pdf/ec_declaration/a0Oa000000JBGTmEAP</a>
RoHS/RoHS2 Declaration	<a href="https://www.globtek.com/pdf/rohs_cert/a0Oa000000JBGTmEAP">https://www.globtek.com/pdf/rohs_cert/a0Oa000000JBGTmEAP</a>
REACH Declaration	<a href="https://www.globtek.com/pdf/iso_certificates/REACH.pdf">https://www.globtek.com/pdf/iso_certificates/REACH.pdf</a>
Conflict Minerals Declaration	<a href="https://www.globtek.com/pdf/conflict-minerals.pdf">https://www.globtek.com/pdf/conflict-minerals.pdf</a>

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

Model:GT-41080CC-18VV-X.X-P2

October 31, 2020

**MODEL PARAMETERS**

Type	Potted/Encapsulated in plastic housing
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.6A
Wattage (W)	18.0
Vout Range (V)	9-48
Efficiency Level	V
Ingress Protection	IP30
Size (mm)	43.5 x 74.0 x 35.3 +/-1.0

**PROPRIETARY INFORMATION**

PROPRIETARY OF GLOBTEK, INC. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING, IN WHOLE OR IN PART, IS HEREBY PROHIBITED EXCEPT AS SPECIFIED IN WRITING BY GLOBTEK, INC.

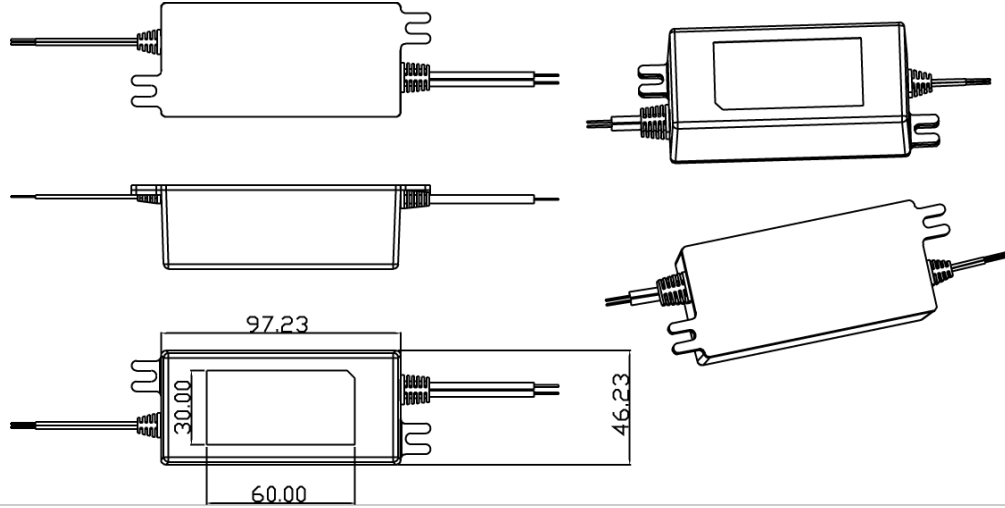
<http://en.globtek.com/datasheet/id/a0Oa000000JBGTm>

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

Model:GT-41080CC-18VV-X.X-P2

October 31, 2020

ENCLOSURE



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

Model:GT-41080CC-18VV-X.X-P2

October 31, 2020

**RATING TABLE**

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

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

Model:GT-41080CC-18VV-X.X-P2

October 31, 2020

## SPECIFICATIONS

### A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: Specified 90-264 Vac, Nameplate rated: 100-240Vac
02. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
03. Line Voltage Regulation: +/- 1% typical measured at the output connector
04. Output load regulation : +/- 5% measured at O/P connector
05. Output Ripple (Vp-p): +/-1% or 150 mV whichever is greater, measured at 20 MHz bandwidth with 0.1 uf ceramic capacitor in parallel with 10 uf electrolytic capacitor connected at the end of the output connector at nominal line
06. Turn-ON/OFF Overshoot: 5% maximum, 1 mS typical recovery time for 25% to 50% step load
07. Turn-ON Delay: 1 second typical
08. Hold-Up Time: 8 mS typical @ nominal input voltage and full load
09. Inrush Current: 30A typical at 115VAC input and 60A typical at 230 VAC input
10. Switching Frequency: 65 KHz typical

### B) PROTECTION

01. Over-Voltage: Protected Zener clamp across the output
02. Short Circuit: Protected unit will auto recover upon removal of fault
03. Input Protection: Input line fusing

### C) SAFETY

01. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
02. Touch Current: <0.25mA @ 240Vac input voltage
03. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

### D) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°C to 40°C ambient temperature
03. Humidity: 0% to 90% relative humidity
04. Storage Temperature: -10°C to 80°C
05. Cooling: Convection

### E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 43.5 x 74.0 x 35.3 +/-1.0 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case

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

Model:GT-41080CC-18VV-X.X-P2

October 31, 2020

## DERATING CURVE

---

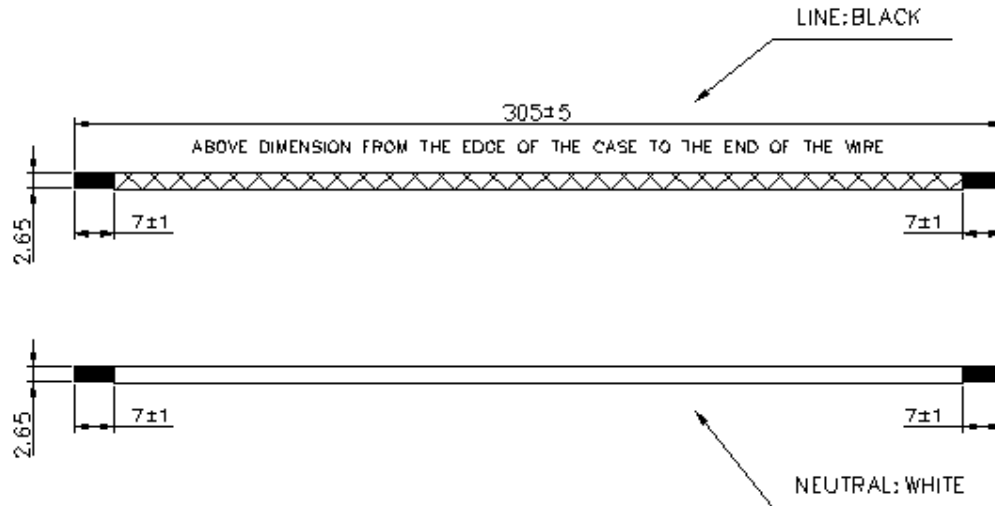
Delivering leading edge, innovative power solutions for more than 30 years....

Model:GT-41080CC-18VV-X.X-P2

October 31, 2020

**INPUT CONFIGURATION**

Description Input Wires 2x 305mm stranded UL1015 or equivalent, White=Neutral and Black=Line



Wire gauge (AWG): 18 AWG

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

Model:GT-41080CC-18VV-X.X-P2

October 31, 2020

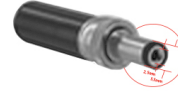
**OUTPUT CONFIGURATION**

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.










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

Model:GT-41080CC-18VV-X.X-P2

October 31, 2020

## Approvals

Logo	Description
No Logo Applicable	CB to IEC 60601-1:2005 (Third Edition) + CORR. 1:2006 + CORR. 2:2007 + A1:2012 (or IEC 60601-1: 2012 reprint)
	CE Mark: tested to comply with EN55022:2006/A1:2007 Class B, EN610003-2, EN610003-3 including EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11; EMI: Complies with EN55011 CLASS B and FCC Part 15B - On label or Molded in case
	CHINA SJ/T 11364-2014, China RoHS Chart: <a href="http://en.globtek.com/globtek-rohs.php">http://en.globtek.com/globtek-rohs.php</a>
	Certification # TC RU AR46.B.75423 Custom Union of Russia, Belarus and Kazakhstan
	Indoor Use Only - Mark is on the label or Molded in the case
IP30	Ingress Protection: IP20 to IEC60529:2001 Protected against solids objects over 2.5mm and No Protection
<b>EFFICIENCY LEVEL</b> 	Efficiency: complies to section 301 of Energy Independence and Security Act (EISA) complies with Energy Star tier 2 (North America), ECP tier 2 (China), MEPS tier 2 (Australia), Code of Conduct (Europe)
RoHS	Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015/863-EU (ROHS-3) <a href="http://www.ce-mark.com/Rohs%20final.pdf">http://www.ce-mark.com/Rohs%20final.pdf</a>
	UKCA Certification
 10276	Ukraine UKRSepro (Document: <a href="http://www.globtek.com/html/iso_certificates/GT_Ukraine.pdf">www.globtek.com/html/iso_certificates/GT_Ukraine.pdf</a> )

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

Model:GT-41080CC-18VV-X.X-P2

October 31, 2020



WEEE: Complies with EU 2012/19/EU (  
[http://ec.europa.eu/environment/waste/weee/index\\_en.htm](http://ec.europa.eu/environment/waste/weee/index_en.htm))  
Mark is on the label or Molded in the case