

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

Model:GT-41133-90VV-x.x-F

May 5, 2024

GT-41133-90VV-x.x-F

Information

Model Number	GT-41133-90VV-x.x-F
Description	GT-41133-90VV-x.x-F, ICT/ITE Power Supply, Open Frame/Internal, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, Tyco 640445-5 3 Position Header PIN 1: EARTH, PIN 3: LINE, PIN 5: NEUTRAL, remove Pins 2 and 4, Output Rating: 90 Watts, Power rating with convection cooling (W) , 12-24V in 0.1V increments, Approvals: CB 60950; IRAM; Pending; RCM; CE; Serbia;
Model Picture	
Agency Documents	http://www.globtek.info/certs/GT-41133-T2-T3-T3A/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000JBOUCEA5
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000JBOUCEA5
REACH Declaration	https://www.globtek.com/pdf/iso_certificates/REACH.pdf
Conflict Minerals Declaration	https://www.globtek.com/pdf/conflict-minerals.pdf

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

Model:GT-41133-90VV-x.x-F

May 5, 2024

MODEL PARAMETERS

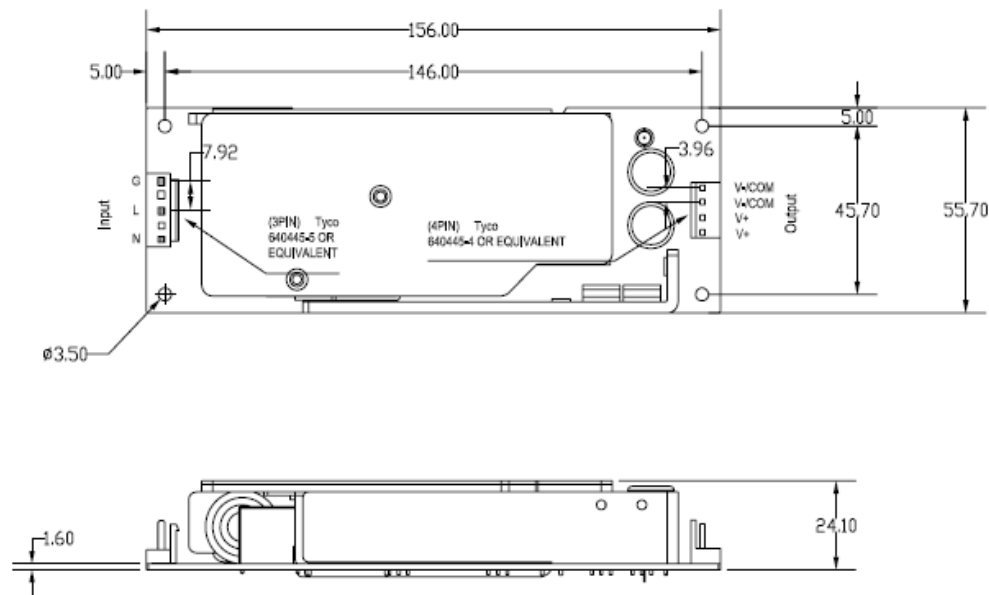
Type	Open Frame/Internal
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	1.5A
Wattage (W)	90.0
Vout Range (V)	12-24
Efficiency Level	V
Ingress Protection	IP40
Size (mm)	62.4 x 167.3 x 33.5

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

Model:GT-41133-90VV-x.x-F

May 5, 2024

ENCLOSURE



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

Model:GT-41133-90VV-x.x-F

May 5, 2024

RATING TABLE

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

Model:GT-41133-90VV-x.x-F

May 5, 2024

SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: 100-240 Vac
02. Input Frequency: 47 - 63 Hz
03. Output Regulation: +/- 5% measured at the output connector
04. Line Voltage Regulation: +/- 1% typical measured at the output 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% step load
07. Turn-ON Delay: 1 sec, maximum @ full load, nominal line
08. Hold-Up Time: 8 mS typical at 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. Earth Leakage Current: <3.5 mA at 240Vac input voltage

D) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: -40°C to 70°C ambient temperature
03. Humidity: 0% to 90% relative humidity
04. Storage Temperature: -10°C to 80°C
05. Cooling: Convection

E) Mechanical

01. Dimensions: TBA
02. Markings: Label and/or Pad Printed on a surface large enough for a marking

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

Model:GT-41133-90VV-x.x-F

May 5, 2024

DERATING CURVE

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

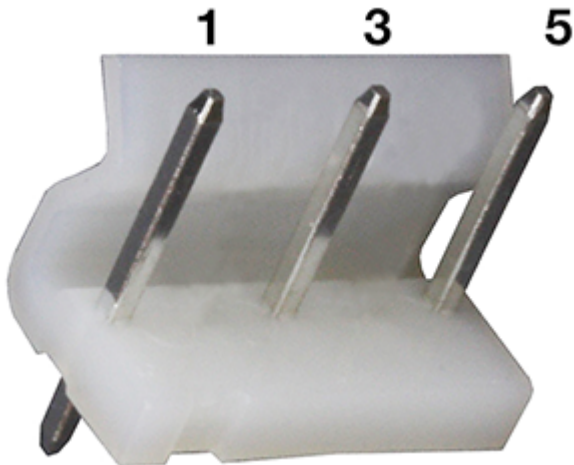
Model:GT-41133-90VV-x.x-F

May 5, 2024

INPUT CONFIGURATION

Description Tyco 640445-5 3 Position Header PIN 1: EARTH, PIN 3: LINE, PIN 5: NEUTRAL, remove Pins 2 and 4

Product Details: <http://www.te.com/catalog/pn/en/640445-5?RQPN=640445-5>



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

Model:GT-41133-90VV-x.x-F

May 5, 2024

Approvals

Logo	Description
No Logo Applicable	IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013
	CE Certification CE Mark: tested to comply with EN 55032.2012+AC.2013 EN 61000-3-2.2014 EN 61000-3-3.2013 EN 60601-1-2.2015 EN 55024.2010
 DC-E-G71-005.1 PRECAUCION: PARA USO EN EQUIPOS ELECTRONICOS SOLAMENTE	IRAM certificate DC-E-G71-005.1 to IEC 62368-1:2014
	Pending
 SAA-170038-EA	RCM certificate SAA-170038-EA; Australia and New Zealand Regulatory Compliance, Mark (http://rcm.standards.org.au/rcmfaq/rcmfaq.htm)
 H 005 19	Serbia Approval - Conformity mark must be at least 5 mm high.
	UKCA Certification