

<b>GlobTek, Inc.</b> <b>www.globtek.com</b> <b>186 Veterans Drive,</b> <b>Northvale, NJ 07647</b> <b>Tel. (201) 784-1000</b> <b>Fax (201) 784-0111</b>	Drawing Title: GT-91116-1012-P, Household, Efficiency Level: V, Case Color/Style: GlobTek Black, Potted/Encapsulated in plastic housing, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, Lead Wires , Output Rating: 10W, 12.0V@0.83A, Output Configuration: 85 mm, 18/2 Cond, UL 1015 Solid Red & Black, Wago Clamp; 2-conductor lighting connector, housing color: white, P/N 224-112 or equivalent, Ferrite: None, See below, GT Cord # C28022, Pin Out: Red Lead (+), Black Lead (-), Blades/Input Cord: Cable Assembly with 2-pin female connector, color red overmold, 5000mm length, Approvals: WEEE; China RoHS; IP68; Level V; RoHS; SIQ; EAC; Fuse 60335; CB 60335; Double Insulation; Fuse 60335; PSE; CE;
	Model No. GT-91116-1012-P
	Part No./Ordering No. PR9SE830WGOCG3412R
	Rev A

## POWER SUPPLY INFORMATION

TYPE:	Potted/Encapsulated in plastic housing
TECHNOLOGY:	Regulated Switchmode AC-DC Power Supply AC Adaptor
CASE COLOR:	GlobTek Black
NAMEPLATE RATED INPUT:	100-240V~, 50-60 Hz, 0.9 A
INPUT CONFIG:	Lead Wires
WATTS:	10.0
VOLTS OUT:	12.0
CURRENT OUT (Amps):	0.83
BLADE/CORD INCLUDED:	KF2PUJ5M0A00-RED(R) Cable Assembly with 2-pin female connector, color red overmold, 5000mm length
BLADE/CORD INSTALLED:	Wago1 P/N 224-112 :2 * 85mm lead wires, tinned and with Wago Clamps (one per wire), Wago P/N 224-112 or equiv.
INGRESS PROTECTION:	IP68
GROUNDING CONFIGURATION:	(F1) Class II / Double Insulated
EFFICIENCY LEVEL:	V
OUTPUT CONFIGURATION:	85 mm, 18/2 Cond, UL 1015 Solid Red & Black, Wago Clamp; 2-conductor lighting connector, housing color: white, P/N 224-112 or equivalent, Ferrite: None, See below, GT Cord # C28022
OVERMOLDED:	No
OUTPUT CONNECTOR GENDER:	Female
CONNECTOR PIN OUT:	Red Lead (+), Black Lead (-)
LABEL SPECS:	Standard GT,L-1186
SPECIAL BARCODE LABEL	
MATERIAL:	No
PACK SPEC:	9810012 Packing
USER MANUAL:	

### PROPRIETARY INFORMATION

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## ELECTRICAL 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. Output Regulation: +/- 5% measured at the output connector
04. Line Voltage Regulation: +/- 5% typical measured at full load
05. Output Ripple (Vp-p): +/-1% or 50 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: 4% maximum, 500uS typical recovery time for 25% to 50% step load
07. Turn-ON Delay: 3000 mS, maximum @ full load, nominal line
08. Hold-Up Time: 8 mS typical @ nominal input voltage and full load
09. Inrush Current: 30A maximum cold start @ 240Vac input
10. Switching Frequency: 66.5 KHz typical
11. Efficiency: 75% Typically

### B) PROTECTION

01. Over-Voltage: Electronically Protected via Zener Diode across output
02. Short Circuit: Electronically Protected via Hiccup 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

### 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: -40°C to 80°C
05. Cooling: Convection
06. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

### E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Markings: Label and/or Pad Printed and/or Molded in the case
03. Enclosure dimensions: 55.4 x 52.0 x 23.5 mm
03. Ingress Protection: IP68

TO ADDRESS SYSTEM-LEVEL EMI CONCERNS, FERRITE CHOKES/BEADS MAY BE ADDED/REVISED UPON REQUEST. A SAMPLE KIT OF GLOBTEK'S STANDARD FERRITES IS AVAILABLE UNDER GLOBTEK P/N: EMI-MITIGATION-KIT1

FOR ADDITIONAL INFORMATION, PLEASE READ OUR WHITE PAPER AT:

<https://en.globtek.com/technical-articles/ferrite-kit-radiated-emi-suppression-kit-for-globtek-power-supplies-cable-assemblies>

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