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Model:GT-91080

July 28, 2021

POE Splitter, 12w, available in outputs of 5-24VDC, (IEEE802.3af PoE PD)

Information

Model Number

GT-91080

Description

GT-91080, Af type PoE Splitter, Desktop/External, Power Over Ethernet Powered Device Converter (IEEE802.3af PoE PD) Power Supply AC Adaptor, , Input Rating: 36-60 VDC, , Output Rating: 12 Watts, Power rating with convection cooling (W) , 5-24V in 0.1V increments, Approvals:

Model Picture



Agency Documents

CE EC-Declaration

https://www.globtek.com/pdf/ec_declaration/a0O3000007P7YqEAK

RoHS/RoHS2 Declaration

https://www.globtek.com/pdf/rohs_cert/a0O3000007P7YqEAK

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	Desktop/External
Technology	Power Over Ethernet Powered Device Converter (IEEE802.3af PoE PD) Power Supply AC Adaptor
Category	Af type PoE Splitter
Input Voltage	36-60 VDC
I/P Amps (A)	0.4
Wattage (W)	12.0
Vout Range (V)	5-24
Efficiency Level	
Ingress Protection	
Size (mm)	85*76*36

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ENCLOSURE

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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-91080-1005	5 V	2	10.00	RFQ
GT-91080-1006	6 V	2	12.00	RFQ
GT-91080-0812	12 V	0.666	7.99	RFQ
GT-91080-1212	12 V	1	12.00	RFQ
GT-91080-1215	15 V	0.8	12.00	RFQ
GT-91080-0818	18 V	0.444	7.99	RFQ
GT-91080-1218	18 V	0.666	11.99	RFQ
GT-91080-1220	20 V	0.6	12.00	RFQ
GT-91080-0824	24 V	0.333	7.99	RFQ
GT-91080-1224	24 V	0.5	12.00	RFQ

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<https://en.globtek.com/datasheet/id/a0030000007P7Yg>

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

01. DC Input Voltage: 36 – 60V
02. Output Regulation: +/- 5% measured at the output connector
03. Line Voltage Regulation: +/- 0.2% typical measured at the output connector
04. Output Ripple (Vp-p): 1% or 100mV max, measured at 20 MHz bandwidth with 0.1 uf ceramic capacitor in parallel with a low impedance 47 uf electrolytic capacitor connected at the output
05. Switching Frequency: 100 KHz typical
06. Efficiency : 80% typ

B) PROTECTION

01. Under Voltage Lockout: 30Vdc
02. Short Circuit: Protected unit will auto recover upon removal of fault
03. Current Limiting: 110% to 175% of output rating
04. Thermal: Internally protected against over-temperature conditions

C) SAFETY & EMC

01. Isolation Voltage : 1000Vdc
02. Isolation Resistance :100M ohms (min)
03. Designed to UL/EN/IEC 60950-1
04. Meet FCC Class B standard
05. Meet EN55022 Class B standard

D) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: -15°C to 60°C ambient temperature
03. Humidity: 0% to 90% relative humidity
04. Storage Temperature: -40°C to 85°C
05. Cooling: Free air cooling
06. Interoperability: Complies with IEEE 802.3 AF, tested by UNH-iOL
07. Input Set Classification Resistance : 24.9K ohms
08. Ethernet Communications Data Rates: 10/100 BaseT

E) ENCLOSURE

01. SIZE : 85*76*36 (L*W*H)m/m
02. Weight: 110g
03. Markings: Label and/or Pad Printed and/or Molded in the case

F) OPTIONS

01. Tighter output voltage regulation, +/- 2% or +/-3%
02. Reduced Vp-p Output Ripple
03. Custom Output Voltage, in 0.1V increment

G) INTERCONNECTS

01. RJ45 Input Power: Power received on either pairs 4-5/7-8 or 1-2/3-6.
02. RJ45 Input Communications: Received on standard pins 1-2/3-6 used for 10/100 BaseT Ethernet

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03. RJ45 Output Communications: Ethernet passed thru on pins 1-2/3-6

03. Output Cable: DC power delivered thru 300mm length 18 gauge UL1185 style cable to a standard 2.5 x 5.5 x 11mm DC Power Plug, Center Positive

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DERATING CURVE

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INPUT CONFIGURATION

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Approvals

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