



ISO 9001:2008  
REGISTERED

**12 Watts, PD Module PoE Splitter with Isolation**



**DESCRIPTION:**

GLOBTEK'S GT-91087-12XX POWER OVER ETHERNET (POE) PD MODULE OFFERS A COMPACT AND COST EFFECTIVE, FULLY IEEE 802.3AF COMPLIANT SOLUTION FOR REMOTE POWERING OF WIRELESS LAN (WLAN) ACCESS POINTS, VOICE OVER IP PHONES AND NETWORK SECURITY CAMERAS. THE PD MODULE AUTOMATIC DETECTION AND PROTECTION OF LEGACY ETHERNET TERMINALS, ELIMINATES THE NEED FOR EXTERNAL POWER SUPPLY AND ITS ASSOCIATED AC/DC POWER CABLING, PROVIDING A COMPACT, AFFORDABLE, SAFE AND RELIABLE POWER SOLUTION OVER EXISTING ETHERNET INFRASTRUCTURE.

**ELECTRICAL SPECIFICATION:**

**INPUT VOLTAGE:**

-36VDC TO -60VDC ( -48VDC NOMINAL) UNDER VOLTAGE

**LOCKOUT:**

-30VDC

**MINIMUM LOAD:**

NONE REQUIRED

**LOAD REGULATION:**

±5% MAXIMUM

**LINE REGULATION:**

±1% MAXIMUM

**RIPPLE :**

2% MAXIMUM (DC TO 20MHZ TERMINATED WITH A 47UF CAPACITOR AND 0.1UF MPE CAPACITOR OF PROPER POLARITY)

**NOISE:**

5% MAXIMUM (DC TO 20MHZ TERMINATED WITH A 47UF CAPACITOR AND 0.1UF MPE CAPACITOR OF PROPER POLARITY)

**OPERATION FREQUENCY:**

100KHZ (MIN)

**EFFICIENCY:**

78% MIN @-48VIN DC

**PROTECTION:**

SHORT CIRCUIT PROTECTION: AUTORECOVERY WITHOUT DAMAGE TO PSU

**CURRENT LIMITS:**

150% RATED CURRENT MAXIMUM

**ISOLATION VOLTAGE:**

1500 VDC

**ISOLATION RESISTANCE:**

100 MOHMS (MIN)

**THERMAL:**

INTERNALLY PROTECTED AGAINST OVER-TEMPERATURE CONDITIONS

**INTEROPERABILITY:**

COMPLIES WITH IEEE 802.3 AF, TESTED BY UNH-IOL

**EMI:**

DESIGNED TO MEET FCC CLASS B , EN55022 CLASS B STANDARD

**SAFETY:**

DESIGNED TO MEET UL/EN/IEC 60950-1 (INPUT POWER SOURCE OR POE INJECTOR SHOULD BE EN/IEC/UL 60950-1 CERTIFIED)

**OPERATION TEMPERATURE:**

-0 - +60 DEGREE

**STORAGE TEMPERATURE:**

-10 - +70 DEGREE

**OPERATION HUMIDITY:**

5% - 90% RH

**COOLING:**

FREE AIR COOLING

**OUTPUT VOLTAGE / CURRENT:**

MODEL NUMBER	OUTPUT VOLTAGE	OUTPUT CURRENT	TOTAL POWER
GT-91087-1203	+3.30	0 - 3.6	12
GT-91087-1205	+5 .0	0 - 2.4	12
GT-91087-1206	+6.0	0 - 2.0	12
GT-91087-1207	+7.0	0 - 1.7	12
GT-91087-1209	+9.0	0 - 1.3	12
GT-91087-1212	+12.0	0 - 1.0	12
GT-91087-1215	+15.0	0 - 0.8	12
GT-91087-1218	+18.0	0 - 0.7	12
GT-91087-1220	+20.0	0 - 0.6	12
GT-91087-1222	+22.0	0 - 0.5	12
GT-91087-1224	+24.0	0 - 0.5	12

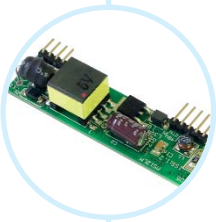
SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



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**MECHANICAL SPECIFICATION & PIN CONFIGURATION**

**OPEN FRAME**



CONNECTORS:  
PIN PITCH : 2.54mm

PIN	CONNECTIONS
1	NC
2	VIN-
3	VIN-
4	VIN+
5	VIN+
6	VOUT-
7	VOUT-
8	VOUT+
9	VOUT+

