



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

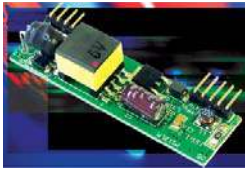
COOLING:

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

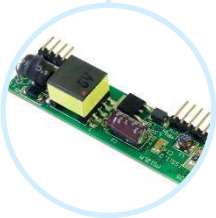
SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



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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+

