



ISO 9001:2000  
REGISTERED

**PoE Splitter with Isolation,  
IEEE 802.3AF Compliant**



**ELECTRICAL SPECIFICATIONS:**

**INPUT VOLTAGE:**  
DC-36V TO DC-60V ( -48VDC NOMINAL)

**UNDER VOLTAGE LOCKOUT:**  
-30VDC

**MINIMUM LOAD:**  
NONE REQUIRED

**LOAD REGULATION:**  
± 5%

**LINE REGULATION:**  
±1%

**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)

**EFFICIENCY :**  
78% MIN @-48VIN DC

**SHORT CIRCUIT PROTECTION:**  
AUTORECOVERY WITHOUT DAMAGE TO PSU

**CURRENT LIMIT:**  
IO\*1.5 MAX

**ISOLATION VOLTAGE :**  
1000 VDC

**ISOLATION RESISTANCE :**  
100 MOHMS (MIN)

**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:**  
CONVECTION COOLING

**NOTE:**

- 1.PINS 7 AND 8(-VDC) SHOULD NOT BE SHORTED TO GROUND.
2. MODE B (CISCO, NON-802.3AF) CONFIGURATION IS ALSO AVAILABLE.

**OUTPUT VOLTAGE / CURRENT:**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-91080-0812	+12.0	0.67	0 - 8
GT-91080-0815	+15.0	0.53	0 - 8
GT-91080-0818	+18.0	0.44	0 - 8
GT-91080-0820	+20.0	0.40	0 - 8
GT-91080-0822	+22.0	0.36	0 - 8
GT-91080-0824	+24.0	0.5A	0 - 12

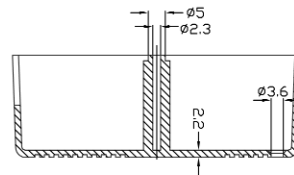


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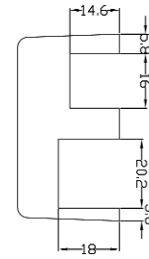
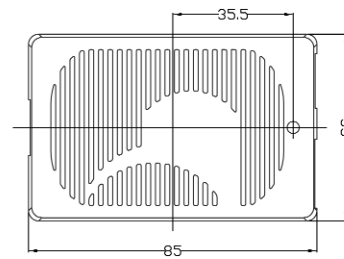
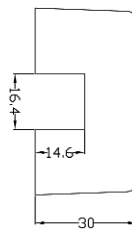
**ENCLOSURE**

**CONFIGURATION:**  
HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED COLOR GRAY

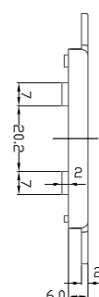
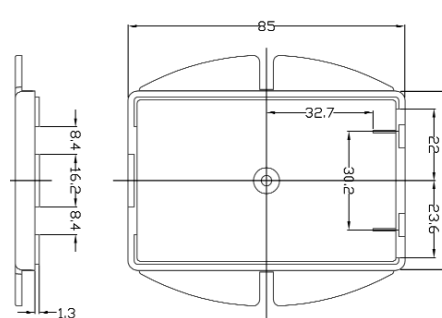
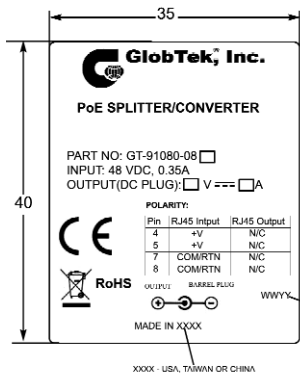
PLASTIC CASE MATERIAL: ABS  
PLASTIC CASE FINISH: TEXTURE  
PLASTIC CASE COLOR: BLACK  
PLASTIC CASE DIMENSION: 85MM (D)  
\* 55MM (W) \* 30MM (H)  
WEIGHT: 110G



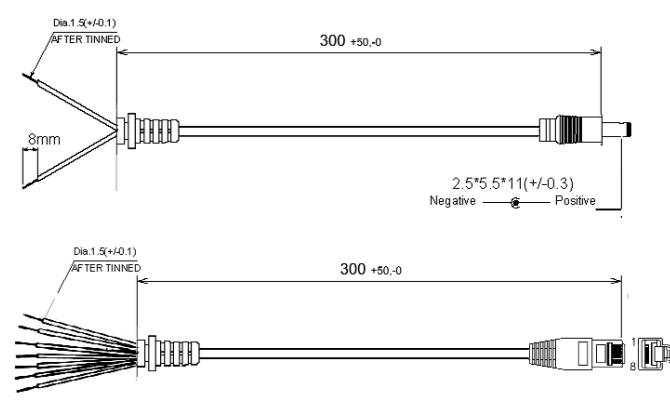
TOP



BOTTOM



**LED INDICATOR:**  
GREEN = DC POWER GOOD  
OUTPUT CORD DC  
POWERPLUG (POWER):  
1 CONDUCTOR + SHIELD, 18  
AWG STANDARD WIRE,  
ROUND # 1185, COLOR GRAY,  
LENGTH: 300 +50,-0 MM.  
CORD IS MEASURED FROM  
THE HOUSING  
TO THE END OF OVERMOLD  
OF THE CONNECTOR. CABLE  
IS TO BE MARKED WITH  
WIRE GAUGE, AND ALL  
APPLICABLE RATING AND  
SAFETY APPROVALS.  
OUTPUT CONNECTOR:  
STANDARD, STRAIGHT  
FEMALE BARREL, 5.5 X 2.5 X  
11 MM, (SPRING LOADED  
WITH LOCKING NOTCH),  
CENTER POSITIVE:  
OUTPUT CORD RJ45 PLUG  
(DATA): 8 CONDUCTOR , CAT-  
5 UTP OR BETTER (350 MHZ),  
COLOR GRAY, LENGTH: 300  
+50,-0 MM. CORD IS  
MEASURED FROM THE  
HOUSING TO  
THE END OF OVERMOLD OF  
THE CONNECTOR. CABLE IS  
TO BE MARKED WITH WIRE  
GAUGE, AND ALL APPLICA-  
BLE RATING AND SAFETY  
APPROVALS.  
OUTPUT CONNECTOR:  
RJ45, 8P8C



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