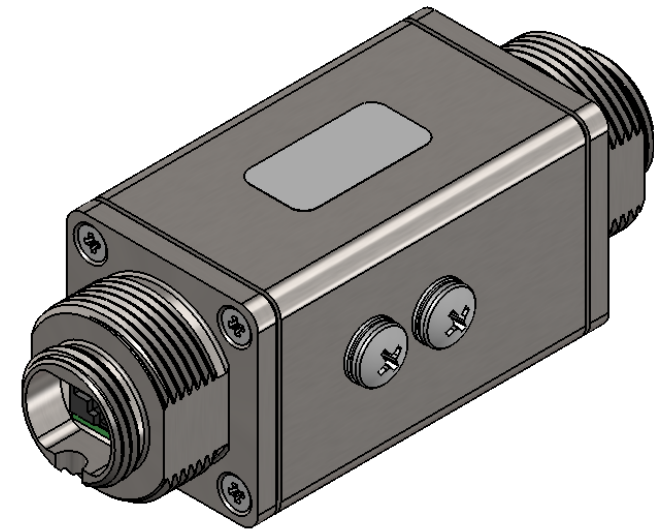
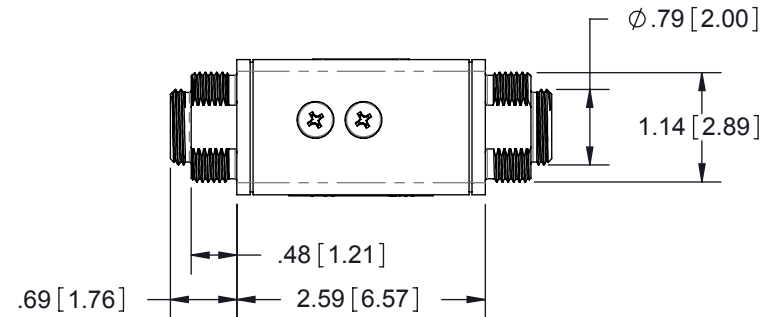
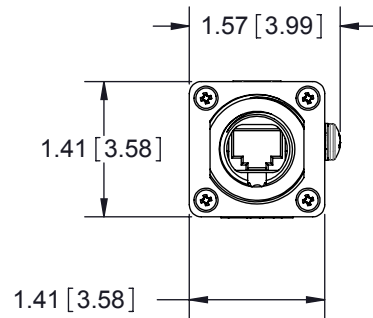


REVISIONS				
REV.	DESCRIPTION	ECN	DATE	APPROVED
B	REFER TO ECN	12518	4/24/2014	GMD



## MAXIMUM CHARACTERISTICS

### Application:

Thunderbolt (TB Series) offers outdoor data line series protection designed to support Ethernet | Cat5e applications. Incorporates advantages of coordinated high-power gas discharge tube (GDT) and self-gated current transistor protection in a single protector.

### Electrical Performance:

**Data Rate:** 100 Mb/s

**Nominal Operating Voltage:** 48V<sub>DC</sub>

**Maximum Continuous Operating Voltage:** 60V<sub>DC</sub>

**Connector Style:** RJ45

**Protected Signal Pins:** (1,2) & (3,6)

**Protected PoE Pins (GDT only):** (4,5) & (7,8)

**Peak Surge Suppression Level per Pin:** 5,000 A 8/20 µs (10 Operations)

### Approvals:

RoHS

### Mechanical:

**Dimensions:** 1.4"H x 1.4"W x 3.9"D, 3.6cm x 3.6cm x 10.0cm

**Weight:** 0.15 lbs, 68g

### Environmental:

**Operating temperature:** -40 °C to +75 °C

**Relative Humidity:** 99% (non-condensing)

**Intended for bulkhead mount.** An additional connector shroud/strain relief kit (1000-1354) required to achieve IP 67 rating when mounted outdoors. Optional pole mount kit available (9100-0521).



CUSTOMER APPROVAL: \_\_\_\_\_ DATE: \_\_\_\_\_

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

PATENT PENDING

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

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<div>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</div> <div>TOLERANCES: FRACTIONS=± 1/32 .XX=± .01 ANGLES=± 1 ° .XXX=± .005</div> <div>NOTICE: THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF TRANSTECTOR SYSTEMS. ALL RIGHTS RESERVED.</div> <div>THIRD-ANGLE PROJECTION</div> <div></div>	DRAWN	DPM	DATE	<div></div>			SHEET 1 OF 1	
	ENG APPD	TOT	1/26/12				SCALE 1:2	
	PRODUCT MGR	SJD	5/15/12	TITLE TB 10/100/PoE				
	MARKETING APPD	LJ	5/16/12					
	PROJECT NO. DD39910							
DOCUMENT NAME	1101-1028			SIZE	CAGE	PROD CAT	CUSTOMER SPECIFICATION	
				A	30992	DST	PART NUMBER	REV
							1101-1028	B