

## Data Surge Protector SPD ALPU Outdoor Gigabit Ethernet/ PoE+ Injector Shielded RJ45 MOV, GDT

**1101-1158**  
ALPU PTP INJ



### Features

- Models for all Common Ethernet/PoE Protocols
- PoE Injector for Mode A or Mode B
- Protection Module Provides a Means to Input or Extract DC Power
- Shielded RJ-45
- Pole or Wall Mount

### Applications

- Gigabit Ethernet/PoE+ Injector Networks
- Telecommunications Base Stations
- WISP/ISP
- IT & Data Centers
- Point-to-Point Links
- Control Lines and Sense Loops
- Oil & Gas

### Description

Data surge protector (also known as SPD or lightning protector) 1101-1158 from Transtector is an outdoor style SPD that utilizes state of the art MOV/GDT technology to protect critical equipment in Gigabit Ethernet/PoE+ Injector protocol data networks while remaining transparent to data throughput. This surge protector provides effective protection against electrical transient surges that are generated both by external lightning events and by internal switching events and supports long-term system reliability by absorbing high amounts of transient energy while maintaining a very low clamping voltage. Transtector Data Signal surge protectors are available in stock with same day shipping.

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Connectors		Shielded RJ45		
Compatible Cables		Cat5/5e UTP/STP, Cat6/6A STP		
Data Protocols		Gigabit Ethernet/PoE+ Injector		
Data Rate			1,000	Mb/s
Capacitance (Common)			3	pF
Power over Ethernet Protocols		PoE		
Vdc Rating (Data)		75	70	Vdc

### Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		MOV, GDT		

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[Data Surge Protector SPD ALPU Outdoor Gigabit Ethernet/PoE+ Injector Shielded RJ45 MOV, GDT 1101-1158](#)

Data Surge Protector SPD ALPU Outdoor Gigabit Ethernet/  
 PoE+ Injector Shielded RJ45 MOV, GDT



**1101-1158**  
 ALPU PTP INJ

Protected Pins	[1,2], [3,6], [4,5], [7,8]
Protection Modes	L-G, L-L
10/1000µs Surge Current	
L-G	100 A
Response Time	25 ns

**Mechanical Specifications**

**Size**

Height	7.14 in	[181.36 mm]
Width	5.69 in	[144.53 mm]
Depth	1.65 in	[41.91 mm]
Weight	1 lbs	[453.59 g]

**Environmental Specifications**

Operating Temperature	-40 to +70 deg C
Storage Temperature	-40 to +70 deg C

Environmental Protection Rating NEMA 3R

**Installation**

Mount Type	Pole/Wall
Installation Hardware	6-32 x 1/2" Screw, BRKT, Clamp
Grounding	1/4-20 Screw, Washer

Transtector Systems specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Data Surge Protector SPD ALPU Outdoor Gigabit Ethernet/PoE+ Injector Shielded RJ45 MOV, GDT 1101-1158](#)

URL: <https://www.transtector.com/data-surge-protector-spd-alpu-outdoor-gigabit-1101-1158-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Transtector reserves the right to make such changes

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Data Surge Protector SPD ALPU Outdoor Gigabit Ethernet/PoE+ Injector Shielded RJ45 MOV, GDT 1101-1158](#)

Data Surge Protector SPD ALPU Outdoor Gigabit Ethernet/  
PoE+ Injector Shielded RJ45 MOV, GDT

**1101-1158**  
ALPU PTP INJ



---

as required. Unless otherwise stated, all specifications are nominal. Transtector does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Transtector does not assume any liability arising out of the use of any part or documentation.

1101-1158 CAD Drawing

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	1/17/19
		APPROVED
		DWR

  

5.69 [144.5]  
3.44 [87.4]  
7.15 [181.5]  
1.65 [41.9]

POLE/WALL MOUNTING EARS WITH GROUND LOCATIONS

2X SHIELDED RJ-45 JACKS LINE/EQUIP

2X WIRING PORTS WITH INTERNAL STRAIN RELIEFS FOR SIGNAL WIRES

2X WIRING PORTS FOR DC SERVICE

2X LID REMOVAL SCREWS

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:  
 .X±.2 [5.08] FRACTIONS ±.1/32  
 .XX±.01 [.25] ANGLES ±1°  
 XXX±.005 [.13]

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.  
THIRD-ANGLE PROJECTION

THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF TRANSTECTOR CORPORATION. ALL RIGHTS RESERVED.

**TRANSTECTOR**  
 10701 AIRPORT ROAD, HAYDEN, ID, 83835  
 PHONE: 1.208.635.6400 | 1.800.882.9110  
 FAX: 1.208.955.2041  
 www.transtector.com | e-mail: sales@transtector.com

SIZE CAGE DRAWN BY PART NUMBER REV  
 A 30992 HMB 1101-1158 A

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.