



SMA F/M In/Out Bulkhead Coax RF Surge Protector, DC - 5.8GHz, DC Pass, 60 V Max., 10kA, Gas Discharge Tube, BiDirect

RF Surge Protectors Technical Data Sheet

PE73SP1069

Features

- Broadband Performance from DC to 5.8GHz
- Repetitive Lightning Strike Capability
- Bi-directional Protection
- Replaceable Gas Tube for Installation Longevity
- Robust Brass Construction

Applications

- Cellular
- Land Mobile Radio, VHF/UHF
- Wireless LAN
- Wireless Cable (MMDS)
- GPS

Description

RF surge protector (also known as lightning arrestor) PE73SP1069 from Pasternack utilizing a gas discharge tube design to protect critical hardware while maintaining the RF performance. This RF surge protector component is manufactured in a coaxial in-line design with wide operating frequency range. Pasternack RF surge protector products are available in stock with same day shipping.

Electrical Specifications

Surge Protector Type
DC Handling

Gas Discharge Tube
DC Pass

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
Impedance		50		Ohms
VSWR			1.5:1	
Insertion Loss			0.6	dB
Operating Voltage (DC)			60	Volts
Surge Current			10	kA
Turn On Voltage		90		Volts

Mechanical Specifications

Size

Length	2.1 in [53.34 mm]
Width/Diameter	0.9 in [22.86 mm]
Height	1.2 in [30.48 mm]
Weight	0.25 lbs [113.4 g]
Housing Material and Plating	Brass, Tri-Metal

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA F/M In/Out Bulkhead Coax RF Surge Protector, DC - 5.8GHz, DC Pass, 60 V Max., 10kA, Gas Discharge Tube, BiDirect PE73SP1069](#)



SMA F/M In/Out Bulkhead Coax RF Surge Protector, DC - 5.8GHz, DC Pass, 60 V Max., 10kA, Gas Discharge Tube, BiDirect

RF Surge Protectors Technical Data Sheet

PE73SP1069

Configuration

Input Connector
Output Connector

SMA Female Reverse Polarity
SMA Male Reverse Polarity

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

SMA F/M In/Out Bulkhead Coax RF Surge Protector, DC - 5.8GHz, DC Pass, 60 V Max., 10kA, Gas Discharge Tube, BiDirect from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

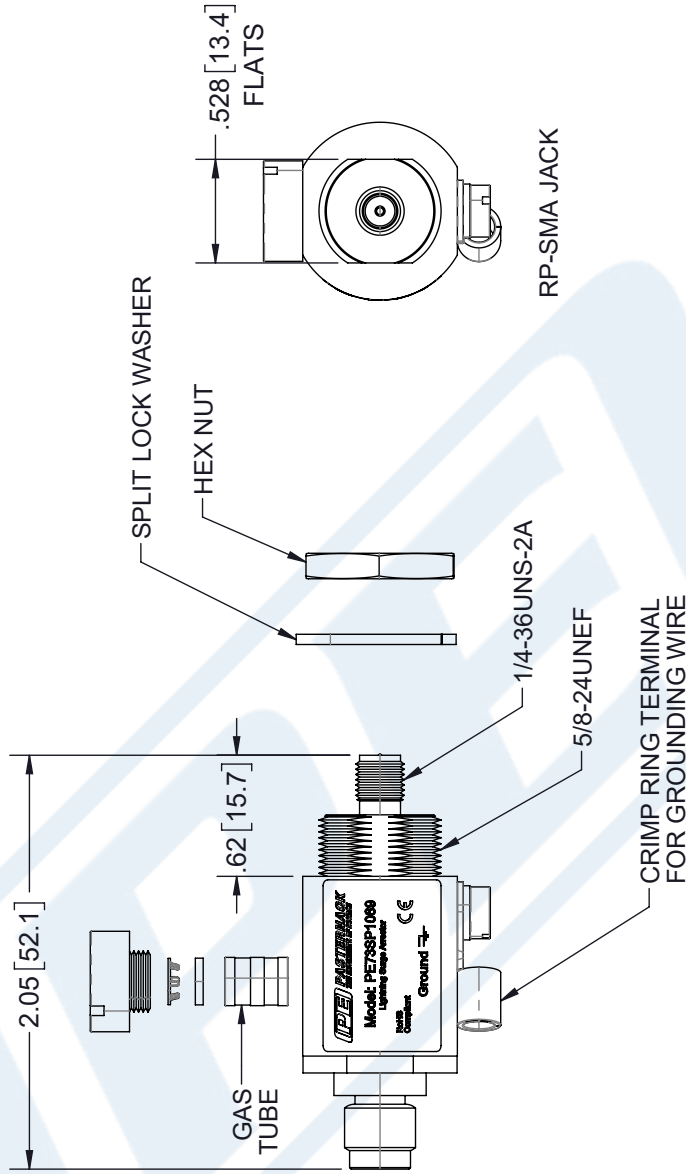
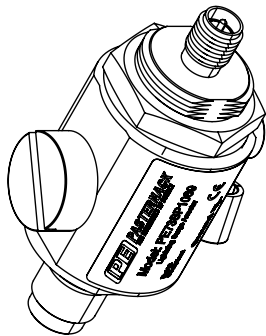
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA F/M In/Out Bulkhead Coax RF Surge Protector, DC - 5.8GHz, DC Pass, 60 V Max., 10kA, Gas Discharge Tube, BiDirect PE73SP1069](#)

URL: <https://www.pasternack.com/sma-surge-protector-5.8ghz-gas-discharge-tube-pe73sp1069-p.aspx>

PE73SP1069 CAD Drawing

SMA F/M In/Out Bulkhead Coax RF Surge Protector, DC - 5.8GHz,
DC Pass, 60 V Max., 10kA, Gas Discharge Tube, BiDirect

REV.	DESCRIPTION	ECN	DATE	APPROVED
A	PRODUCTION RELEASE		4/28/20	DWR



PE PASTERNAK an INFINITI® brand Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com		THIRD-ANGLE PROJECTION THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED. SHEET 1 OF 1 SCALE 1:1	
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: X = ±.2 [5.08] FRACTIONS .XX = ±.02 [.51] ±1/32 .XXX = ±.005 [.13] ANGLES ±1° CABLE LENGTH (L) TOLERANCES: L ≤ 12 [305] = +.5 [13] / -0 12 [305] < L ≤ 60 [1524] = +1 [25] / -0 60 [1524] < L ≤ 120 [3048] = +2 [51] / -0 120 [3048] < L ≤ 300 [7620] = +3 [76] / -0 300 [7620] < L = +2.5% / -0 ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	SIZE A CAGE CODE 53919 DRAWN BY DPM	ITEM NO. PE73SP1069 REV 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.