

DC Surge Protector SPD SXRR Indoor AAR Terminal
12 Vdc, 12 Vac, Single-Mode, 20 kA SASD, GDT

1101-707
SXRR-50 V



Features

- SASD and SASD/GDT Hybrid Surge Protection Options
- Suppression Status Indicator
- AAR Terminal Mount

Applications

- Industrial Automation
- Controls & Sense Loops
- Telecommunications Base Stations
- IT & Data Centers
- Wastewater Treatment
- Rail
- Oil & Gas
- LED Lighting

Description

DC surge protector (also known as SPD or lightning protector) 1101-707 from Transtector is an AAR terminal style SPD that utilizes state of the art SASD, GDT technology to protect critical equipment that operates on a 12 Vdc electrical service. 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 safely shunting high amounts of transient energy while maintaining a very low clamping voltage. Transtector DC surge protectors are available in stock with same day shipping.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Service Voltages (DC)		12		Vdc
Service Voltages (AC)		12		Vac
Maximum Continuous Operating Voltage (MCOV)				
MCOV DC			50	Vdc

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		SASD, GDT		
Surge Protection Modes		Signal to GND		
Response Time			20	ns
8/20 μ s Surge Current			20	kA
VPL 8/20 μ s L-G			290 @ 20kA	Vpk

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[DC Surge Protector SPD SXRR Indoor AAR Terminal 12 Vdc, 12 Vac, Single-Mode, 20 kA SASD, GDT 1101-707](#)

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Mechanical Specifications

Size

Height	2.83 in	[71.88 mm]
Width	0.95 in	[24.13 mm]
Depth	2.1 in	[53.34 mm]
Weight	0.1 lbs	[45.36 g]
Housing Material and Plating	Polycarbonate	

Environmental Specifications

Temperature

Operating Range	-40 to +75 deg C
Storage Range	-40 to +75 deg C
Humidity	90% non-condensing

Installation

Mount Type	AAR Terminal Block
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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.

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URL: <https://www.transtector.com/dc-surge-protector-spd-sxrr-indoor-aar-1101-707-p.aspx>

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1101-707 CAD Drawing

