

## 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 $\mu$ s Surge Current			20	kA
VPL 8/20 $\mu$ 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

