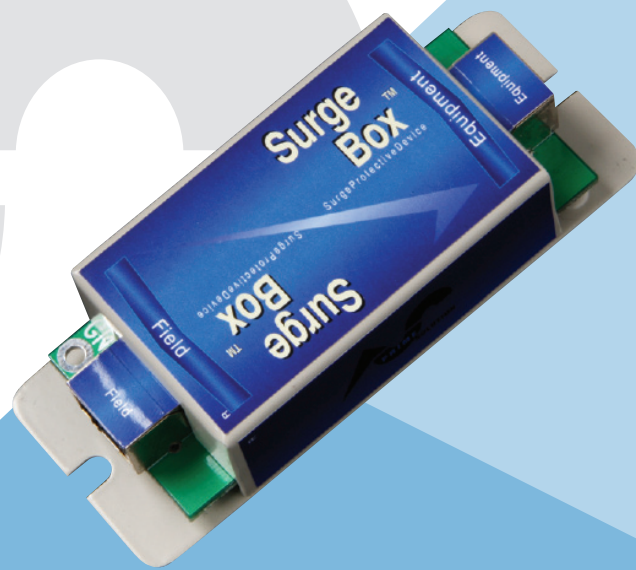


# RJ45 Lines

## Surge Protective Devices for Signal & Communication



### Introduction

This specification defines the RJ45 Lines SPD. Generally referred to as SPD (Surge Protective Device) means devices intended to prevent or minimize damage to power and communication devices by suppressing surges from the track and ground sides. The SPD for telecommunication is designed to contain the surge voltage below the target value for any possible surge in data, signals, voice, broadcasting or telephone lines.

### Environmental Conditions

- Rated System Voltage : DC 48V
- Rated System Frequency : DC ~ 8MHz – Connection Method : Serial Connection Type
- Operating Temperature :  $-40^{\circ}\text{C}\sim 70^{\circ}\text{C}$  ,
- Storage Temperature :  $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$
- Max. Operating Altitude : 5,000 meters

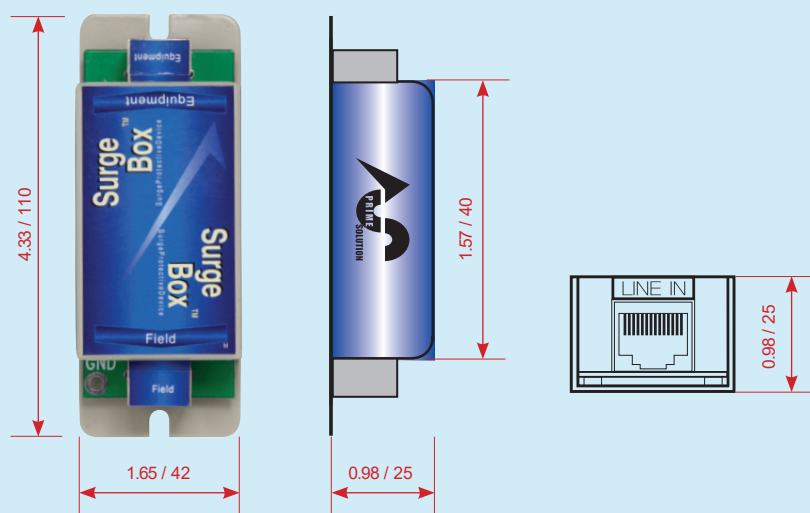
### Features

- Max. Surge Current Capacity : 3kA/Mode
- Protection Mode : Line to Line / Line to Shield
- MCOV : DC 60V
- Suppression Voltage level ( $V_{\text{peak}}$ ) :  $< 800\text{V} @ 1.2/50\mu\text{s}$   $6\text{kV} @ 8/20\mu\text{s}$  3kA
- Response Time :  $< 1$  nano-seconds
- Connections : Terminal Holder
- Dimensions (W×H×D)mm : 110 x 42 x 25
- Product Weight : 155g

## Specification

Model No.	SB68D-RJ45		
Connection Method	RJ45 Jack		
Rated System Voltage	~ 60 Vdc		
Frequency	10 MHz ~ 1 GHz		
Impulse C1, C2(1.2/50 $\mu$ s,8/20 $\mu$ s), D1(10/350 $\mu$ s)	C2 : 4 kV / 2 kA		
Max. Surge Current Capacity	10 kA / Line	10 kA / Line	10 kA / Line
Protection Mode	Line to Line / Line to Shield		
MCOV	68 Vdc		
VPR (Vpk)	120 V		
Response Time	< 25 nano-seconds		
Insertion Loss	< 0.3 dB		
Product Weight(lb/g)	0.341 lb / 155 g		

## Dimension



*memo*



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