CATV Lines Surge Protective Devices for Signal & Communication

Introduction

This specification defines the CATV 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 seams from the track and ground sides. The SPD for telecommunication is designed to contain the write voltage below the target value for any possible surge in data, signals, voice, broadcasting or telephone lines

Environmental Conditions

- Rated System Voltage : DC 25.2V
- Rated System Frequency : DC \sim 2MHz
- Insertion Loss : < 3dE
- Connection Method : Serial Connection Type
- Operating Temperature : −40°C~70°C
- Storage Temperature : -40°C~85°C
- Max. Operating Altitude : 5,000 meters

Installation

- SBCX-series serial connection between signal input and cable of the instrument
- Connect the earth terminal (\pm) of the instrument enclosure to an external ground
- · Check communication status



Specification

Model No.	SBCX-FR	SBCX-FR20
Connection Method	F-Type F/F	
Rated System Voltage	~ 24 Vdc	
Frequency	~ 2.3 GHz	
Impulse C1, C2(1.2/50µs,8/20µs), D1(10/350µs)	C2 : 4 kV / 2 kA	
Max. Surge Current Capacity	10 kA / Line	20 kA / Line
Protection Mode	X – C (Line to Shield)	
MCOV	25.2 Vdc	
VPR (Vpk)	X − C ≤ 700 V	
Response Time	< 25 nano-seconds	
Insertion Loss	< 0.3 dB	
Product Weight (lb/g)	0.077 lb / 35 g	

Dimension





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