RS232 SIGNAL SURGE PROTECTOR

Product Description

This series of signal SPD applies to surge protection of RS-232 interface (15-pin), RS485/422, wired remote sensing, telemetry, remote control devices such as D-type connector to provide cable lines, the lines in between the lightning and other lightning .

◆ It is applied to discharge, clamping principle, to achieve an efficient and reliable anti-shock feature high-voltage pulse and accurate clamping voltage.

◆ With multi-level protection, low residual voltage, low-volume design, excellent transmission performance and so on advantage.

◆ Core components are selected international brands, so they have high reliability, fast response time.

◆ It is designed with advantage of large intake capacity , low insertion loss, no interference and a long lifetime.

◆ It is suitable for lightning protection of RS232 serial communications of organs, finance, securities and insurance industries, and it also can be used as anti-surge protection device of printer interface, the device can effectively reduce the software and hardware failures caused by pulse interference. Especially apply to the high-precision equipment with microcomputer.
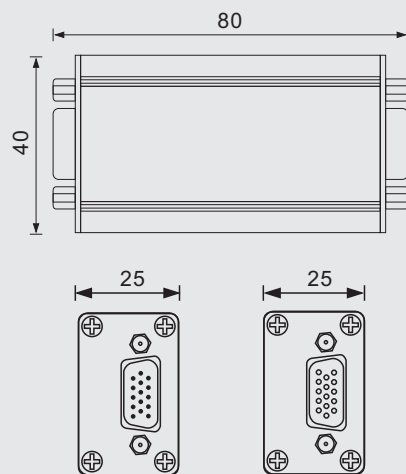
Technology Parameters

Model	KLF-X-DB15
Working Voltage(Un)	15V
Rated Current	300mA
Insertion Loss	≤0.2dB
Nominal Discharge Current(8/20μs)(In)	5KA
Max. Discharge Current (8/20μs) (Imax.)	10KA
Limit voltage(Up)	≤25V
Working Frequency	10MHz
Response Time	≤1ns
Interface Model	DB15(needle/hole)
Protected Core	1～15
Working Environment	Temperature -40°C～+80°C; Relative humidity<95%
Material Of Outer Shell	Aluminum alloy
Dimension(L×W×H)	80×40×25mm
Weight	0.15kg

Product Installation

1. This product is in series installed between signal channel and equipment protected, the output interface is connected with equipment protected.
2. All wires must be solid and connected by electric.
3. Grounding of lightning protection should comply with the lightning protection standard; grounding wire should be as thick and short as possible, ground resistance should be less than 4Ω. SPD grounding cable: BVR≥ 2.5mm^2, the length of the ground wire should be less than 1 m.

Dimension Picture

Unit: mm

Installation Diagram

signal wire

Earth Wire

Equipment