

Surge Protector with dv/dt FILTER

CCTV & Security System

Breakthrough Solution

Model : SL6-10CTV

Max. surge current 20 kA(8/20uS), Load 500mA



Fast response time

All mode protection

Low-Let through voltage and dv/dt

Multi-state surge protection

Easy to installation

There are two ways that a surge can cause damage to sensitive electronic equipment.

Firstly, a surge appearing between the inner conductor of a coaxial cable and its shield.

Secondly, an abnormal voltage (overvoltage) from ac line may appear between the cable shield and the terminals ground.

FAIDEE surge protector with dv/dt FILTER for CCTV system provide protection for both potentially damaging overvoltages.

Each unit consists of multistage surge protection that incorporate a gas discharge tube in combination with a fast surge suppression circuit between the conductor core and coaxial shield.

Models featuring multistage surge protection deliver greater levels of protection through a staged approach. The primary stage absorbs the majority of the surge energy. The remaining stages provide accurate clamping and a degree of redundancy.

FAIDEE surge protector with dv/dt FILTER products are housed in safe, all metal enclosures. In the event of a prolonged abnormal voltage (overvoltage) they will not catch fire or explode.

Specification

Surge performance

<i>Protection modes :</i>	Transverse and Common mode
<i>Connection type :</i>	Series
<i>Max. operating voltage :</i>	8.2V
<i>Max. discharge current :</i>	20kA(8/20uS)
<i>SAD peak pulse power : (10/1000uS)</i>	1500W
<i>Let-through voltage : (5kA, 10/700uS)</i>	14V
<i>Maximun data rate :</i>	20Mb/s
<i>Insertion loss :</i>	< 1dB at 20MHz
<i>Cable impedance :</i>	50 and 75 ohm
<i>Working temperature :</i>	-40 → 85 c
<i>Working humidity :</i>	0 → 90%

Standards compliance:

ITU (CCITT) IX K17
AS1768-2003 cat. A, B, C
IEC61643-21 , CP33-1996 cat.A, B, C
BS6651-1992 cat. C - High, UL497B



Parts Approval



Surge Protector with dv/dt FILTER

CCTV with DC power supply

Model : SL12-20TDC

Max. surge current 20kA(8/20uS)



Fast response time

All mode protection

Low-Let through voltage and dv/dt

Multi-state surge protection

Easy to installation

There are two ways that a surge can cause damage to sensitive electronic equipment.

Firstly, a surge appearing between the inner conductor of a coaxial cable and its shield.

Secondly, an abnormal voltage (overvoltage) from ac line may appear between the cable shield and the terminals ground.

FAIDEE surge protector with dv/dt FILTER for CCTV system provide protection for both potentially damaging overvoltages.

Breakthrough Solution

Each unit consists of multistage surge protection that incorporate a gas discharge tube in combination with a fast surge suppression circuit between the conductor core and coaxial shield.

Models featuring multistage surge protection deliver greater levels of protection through a staged approach. The primary stage absorbs the majority of the surge energy. The remaining stages provide accurate clamping and a degree of redundancy.

For DC power supply, Transients appearing between a DC line pair and its earth (common mode) as well as between two or more DC lines (transverse mode) are equally as damaging to connected equipment. The **FAIDEE** range of **Surge Protector with dv/dt FILTER** DC line protectors provide high quality protection for both potentially damaging transients.

Models featuring multistage transient protection deliver greater levels of protection through a staged approach. The primary stage absorbs the majority of the surge energy. The remaining stages provide accurate clamping and a degree of redundancy.

FAIDEE surge protector with dv/dt FILTER products are housed in safe, all metal enclosures, In the event of a prolonged abnormal voltage (overvoltage) they will not catch fire or explode.

Suitable

DC Voltage	Model
12 V	SL12-20TDC
24 V	SL24-20TDC
48 V	SL48-20TDC



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Surge Protector with dv/dt FILTER

CCTV with DC power supply

Breakthrough Solution

Model : SL12-20TDC

Max. surge current 20kA(8/20uS)



Fast response time

All mode protection

Low-Let through voltage and dv/dt

Multi-state surge protection

Easy to installation

Specification

Surge performance

For Signal

Protection modes : Transverse and Common mode

Connection type : Series
 Max. operating voltage : 8.2V
 Max. discharge current : 20kA(8/20uS)
 SAD peak pulse power : 1500W
 (10/1000uS)

Let-through voltage : 14V
 (5kA, 10/700uS)

Maximun data rate : 20Mb/s
 Insertion loss : < 1dB at 20MHz
 Cable impedance : 50 and 75 ohm

For DC power supply

Protection modes : Transverse and Common mode

Connection type : Series
 Max. operating voltage : 18V
 Max. discharge current : 20kA(8/20uS)
 SAD peak pulse power : 1500W
 (10/1000uS)

Max. Load current : 2A

Working temperature : -40 → 85 °c
 Working humidity : 0 → 90%

Standards compliance:

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Parts Approval

