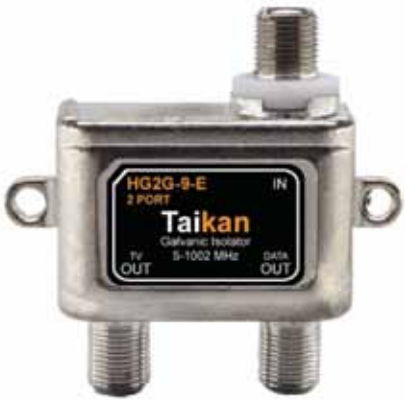
1 GHz GALVANIC ISOLATORS WITH TAP [HGxG-x-x]

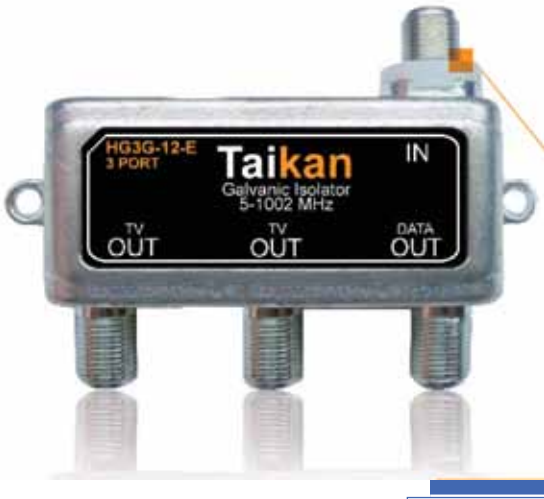
Cable Products, Drop Passives

TaiTin

Description

Taikan's galvanic isolator series are used to separate the subscriber's network equipment from the CATV network system as well as protect the network equipments from electrical hazards (ie. voltage surges or lightning). It is an effective and practical solution to prevent various types of hazardous surges for Customer Premise Equipments (CPE).





Features

- Class A - CENELEC EN50083-2 (Screening Effectiveness)
- EN/IEC 60728-11:2010 (Safety Requirements)
- 5-1002 MHz Bandwidth
- 2 Port Design with High Pass Filter
- Protection for Network Equipment Against Power Surges
- Superior Isolation and Return Loss for Return Path
- 2 kV DC Double Isolation Protection
- Standard Contact Pins
- Compact Design with Zinc Alloy Die Cash Housing & Tin Plated Soldered Back
- Two Ground Screws (Available)
- CE & RoHS Compliant

General Specifications

Voltage Isolation:	2 kV DC
F Connector:	SCTE Compliant IPS-SP 400
Operation Temperature:	-40 °C to 60 °C (-40 °F to 140 °F)
RFI Shielding:	-120 dB

Ordering Information

HG [x] G - [x] - [x]

- [x]: ***U*** *for 5-42 MHz or* ***E*** *for 5-65 MHz*
- [x]: ***9*** *for 9 dB (2 port only) or* ***12*** *for 12 dB (3 port only) tap value*
- [x]: ***2*** *for 2 port or* ***3*** *for 3 port*

Model Number	*Inner Box*	*Standard Carton*	*Carton Weight*
HG2G-9-x	10 pcs	300 pcs	21kg / 46 lbs
HG3G-12-x	10 pcs	300 pcs	22kg / 48 lbs

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Drop Passives - HGxG-x-x

Insertion Loss (In - TV)	HG2G-9-x	HG3G-12-x	
Frequency			
5 - 65 MHz	> 45	> 49	dB
85 - 1000 MHz	< 9.0	< 12	dB

Insertion Loss (In – Data)	HG2G-9-x	HG3G-12-x	
Frequency			
900 - 1000 MHz	< 2.3	< 2.3	dB

Isolation (TV - Data)	HG2G-9-x	HG3G-12-x	
Frequency			
5 - 65 MHz	> 45	> 45	dB
66 - 1000 MHz	> 28	> 28	dB

Isolation (TV - TV)	HG2G-9-x	HG3G-12-x	
Frequency			
85 - 1000 MHz	-	> 25	dB

Return Loss (In)	HG2G-9-x	HG3G-12-x	
Frequency			
5-65 MHz	> 18	> 18	dB
66-1000 MHz	> 18	> 18	dB

Return Loss (TV)	HG2G-9-x	HG3G-12-x	
Frequency			
85 - 1000 MHz	> 18	> 16	dB

Return Loss (Data)	HG2G-9-x	HG3G-12-x	
Frequency			
5-65 MHz	> 18	> 16	dB
66-1000 MHz	> 18	> 16	dB

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