



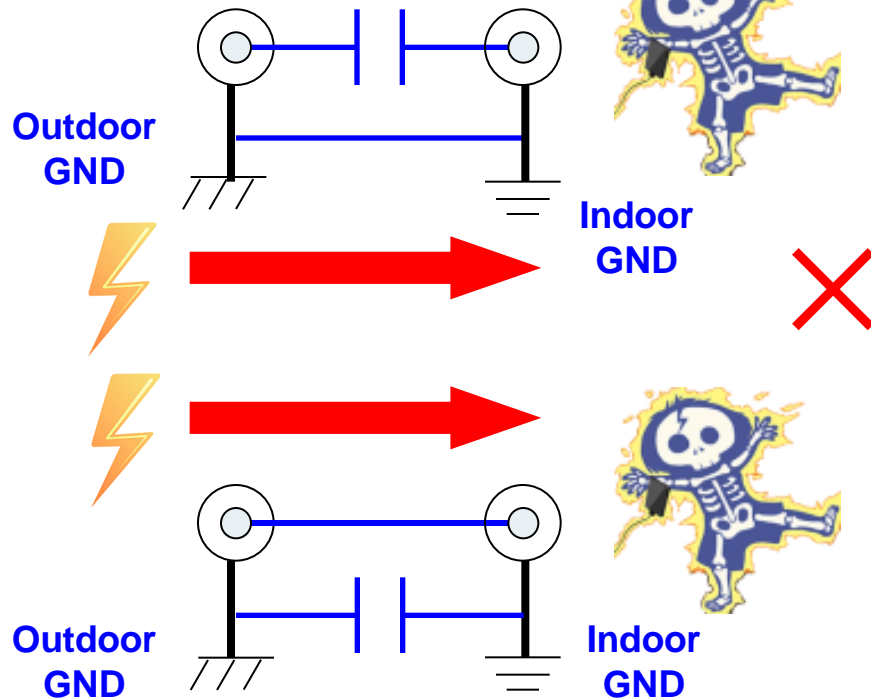
# ***ISOLATORS***

*Soontai provides state-of-the-art Isolators. We care your safety!*

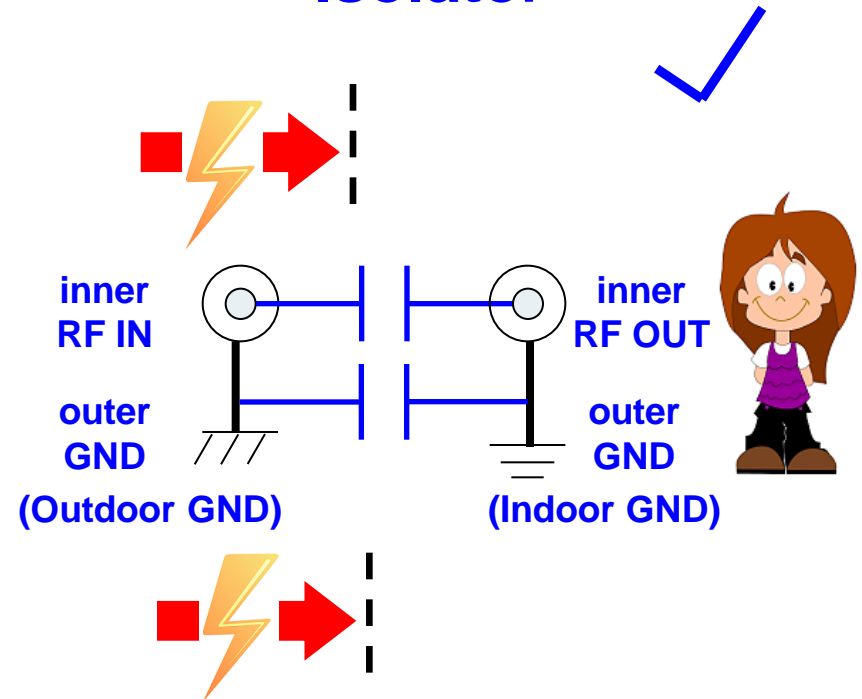
# What is isolator ?

- Isolator has two sets capacitors between inner IN/OUT RF-port and outer IN/OUT GND-ports.
- Isolator fully isolates the voltage to avoid of electric shock and damaging the equipment such as TV, set-top box, cable modem.

## Non isolator



## Isolator



## IS9 series



### ■ Features

- ✓ RF Shielding : meet EN50083-2
- ✓ Suitable for DOCSIS 3.1/3.0/2.0
- ✓ Wide Band : 1218 MHz, 1.5 GHz, 2 GHz
- ✓ Low Insertion Loss : 0.5 dB (typ)
- ✓ Excellent Return Loss : 18 dB (typ)
- ✓ Withstanding IEEE C62.41 Category B3 Surge 1 kV
- ✓ Galvanic Isolation : < 0.7 mA (@ 2120 VDC)
- ✓ Leakage Current : < 2 mA (@ 230 VAC)
- ✓ 100% QC & HI-POT test
- ✓ Dimension : 16.5 (ψ) × 62.5 (L) mm
- ✓ Made in Taiwan

## IS7 series



### ■ Features

- ✓ Suitable for DOCSIS 3.1/3.0/2.0
- ✓ Wide Band : 1218 MHz, 1.5 GHz, 2 GHz
- ✓ Low Insertion Loss : 0.5 dB (typ)
- ✓ Excellent Return Loss : 18 dB (typ)
- ✓ Galvanic Isolation : < 0.7 mA (@ 2120 VDC)
- ✓ Leakage Current : < 2 mA (@ 230 VAC)
- ✓ 100% QC & HI-POT test
- ✓ Dimension : 18 (ψ) × 57.6 (L) mm
- ✓ Made in Taiwan

Model	Frequency Range	IN Connector	OUT Connector	Screening
IS9 - 212	<b>1218 MHz</b>	F-female	F-male	Class A
IS9 - 212F	<b>1218 MHz</b>	F-female	F-female	
IS9 - 215	<b>1.5 GHz</b>	F-female	F-male	
IS9 - 215F	<b>1.5 GHz</b>	F-female	F-female	

Model	Frequency Range	IN Connector	OUT Connector	Screening
IS7 - 212	<b>1218 MHz</b>	F-female	F-male	N.A.
IS7 - 212F	<b>1218 MHz</b>	F-female	F-female	
IS7 - 215	<b>1.5 GHz</b>	F-female	F-male	
IS7 - 215F	<b>1.5 GHz</b>	F-female	F-female	



# Isolator with add-on extras

- Soontai IS8 isolator build in 2 way splitter and high pass filter on TV port.
- Cost-efficient option for installing cable modem and TV reception simultaneously.

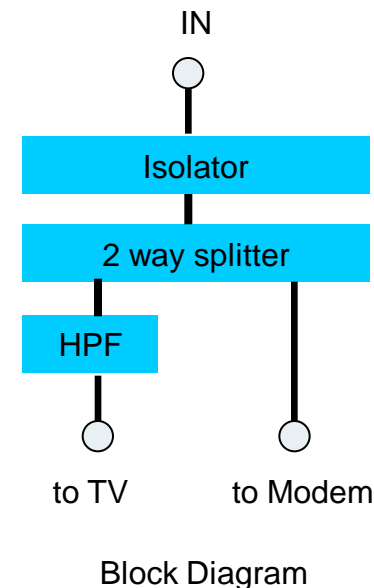
## Features

- ✓ RF Shielding : meet EN50083-2
- ✓ Suitable for DOCSIS 3.1/3.0/2.0
- ✓ Wide Band : 1218 MHz
- ✓ Low Insertion Loss (typ) : 5.0 dB (data port) / 6.0 dB (tv port)
- ✓ Excellent Return Loss : 16 dB (typ)
- ✓ Isolation : >20 dB (typ)
- ✓ Withstanding IEEE C62.41 Category B3 Surge 1 kV
- ✓ Galvanic Isolation : < 0.7 mA (@ 2120 VDC)
- ✓ Leakage Current : < 2 mA (@ 230 VAC)
- ✓ 100% QC & HI-POT test
- ✓ Dimension : 64 (L) × 62 (W) × 21 (H) mm
- ✓ Made in Taiwan



SOONTAI TECH CO., LTD.

Model	Data Port	TV Port
IS8 - 8501	5 - 1218 MHz	85 - 1218 MHz
IS8 - 10801	5 - 1218 MHz	108 - 1218 MHz
IS8 - 11001	5 - 1218 MHz	110 - 1218 MHz
IS8 - 25801	5 - 1218 MHz	258 - 1218 MHz





# SOONTAI TECH CO., LTD.

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## About Soontai

Soontai, established in 1994, has become well-known for high quality 75 Ohm filter design and manufacturing. We have taken this extensive design experience to develop a line of 75 and 50 Ohm high performance RF accessories. Currently our products are used worldwide by MSOs (Multi Service Operators), IC design companies, Internet service providers, RF telecommunication /Set-top Box/Cable modem manufacturers, etc.

For more products information please visit

CATV Filters <http://www.soontai.com/filter.htm>

Isolators <http://www.soontai.com/isolators.htm>



SGS ISO 9001  
Certificate TW12/11128

