

## tii 220

### Coaxial Shield Isolator

Frequency Range  
5 MHz – 1 GHz

Isolates Cable System Ground  
From Customer Ground

High RFI Shielding

Robust Compact Design

Insertion Loss < 0.3 dB

Standard "F" Type Male-Female  
Connectors



tii 220

The tii 220, 75 ohm Coaxial Shield Isolator prevents unwanted noise and picture interference on cable television signals. It isolates the external service cable system from the internal/customer cable connection, maintaining an RFI shielding of > 85 dB.

#### KEY PRODUCT BENEFITS

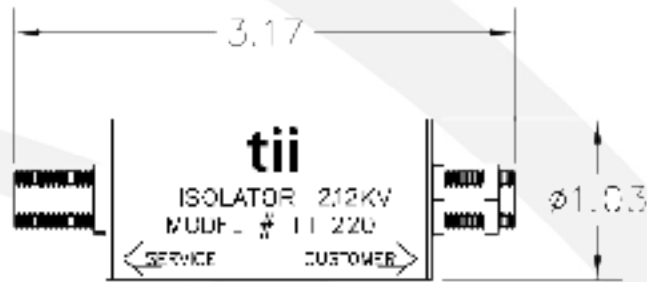
- ▶ Prevents unwanted ground loop current on the shield of the cable, which can cause noise and degrade picture quality.
- ▶ Designed to work with today's high bandwidth networks.
- ▶ Product shows superior RF performance operating at a frequency range of 5 MHz-1 GHz. Maximum insertion loss is 0.3 dB. at 1 GHz.
- ▶ Robust design includes a metallic housing that provides excellent RFI shielding of >85 dB.
- ▶ Housing is environmentally sealed against moisture and humidity.
- ▶ Unit comes standard with "F" type Male-Female connectors.
- ▶ Isolation level between the service ground to customer ground is greater than 2000 V.



tii network technologies

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# tii 220



Dimensions are in Inches

## SPECIFICATIONS

### RF PERFORMANCE

Characteristic Impedance	75 ohms
Frequency Range	5 MHz - 1GHz
Insertion Loss	< 0.3 dB
Return Loss	20 dB typical

### GENERAL

Input - Output Isolation	> 2,000 V
Operating Temperature	(-40°F to +149°F)

## ORDERING INFORMATION

Model	Description
tii 220	Coaxial Shield Isolator
Standard Package:	50 pieces
Weight:	0.22 lbs. each