



Tii Technologies Inc.

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**Transparent to Satellite Dish
Signal Transmission**

**Incorporates Solid State Coaxial
Surge Protection in Circuitry**

**Equipped with a Grounding Lug
for up to Size 10 Wire**

**Available in One Line and Two
Line Protection Configurations**

**Provides Surge Protection for
Satellite Dishes and Receivers**

Impedance Matched to 75 Ohms

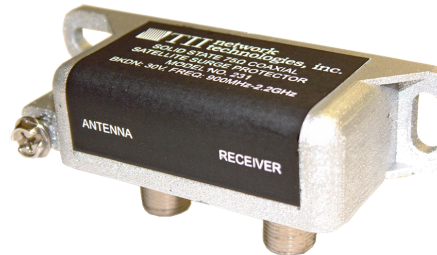
Power Passing

Return Loss 18 dB

Insertion Loss <0.5 dB

Frequency Range 0.9-2.2 GHz

Listed to UL 497B



Tii 231-1

The Tii 231 Series Coaxial Surge Protectors are specifically designed for satellite dish installations. The Tii 231 protects the satellite dish, the receiver and the antenna from lightning induced surges.

KEY PRODUCT BENEFITS

- ▶ Protects satellite receivers.
- ▶ Unique strip line design is impedance matched to 75 ohms and is completely transparent to all signals transmitted from 0.9 to 2.2 GHz.
- ▶ DC breakdown voltage of the protector is designed to protect against even the smallest transient surges, yet is compatible with powered satellite dish receivers.
- ▶ Metallic housing provides EMI shielding.
- ▶ Available with single or dual LNB connections.
- ▶ Environmentally sealed against moisture and humidity.

INDUSTRY STANDARDS

- ▶ Listed to UL 497C.

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SATELLITE CABLE PROTECTION

DC Breakdown	< 30 V
Surge Voltage @ 100V/μs	< 40 V
Insertion Loss (900MHz-2.2GHz)	< 0.5 dB
Return Loss (900MHz-2.2GHz)	18 dB Typical

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Model No. Description

Tii 231-1	One Line Coaxial Satellite Dish Surge Protector
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Standard Package:	tii 231-1	50 pieces	tii 231-2	20 pieces
Weight:		0.137 lbs. each		0.225 lbs. each

Specifications Subject To Change Without Notice

Rev 0FĒI

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