

HFS2150

Series

2150MHz 90dB EMI Satellite Splitters

- ▶ High frequency broadband range 950-2150MHz L-Band suitable for analog and digital satellite applications
- ▶ HFS2150-series provide DC power passage to one port while blocking DC power to all other ports for improved hum modulation and intermodulation performance
- ▶ HFSP-2150-series provide DC power passage to all ports provides for remote LNB-powering applications and powering the antenna preamplifier directly from the headend
- ▶ High-performance printed board circuitry provides improved hum modulation and intermodulation parameters to ensure superior signal quality
- ▶ Yellow-chromate plated zinc-alloy diecast housing ensures excellent ground bonding and long corrosion-free service life in indoor/outdoor applications
- ▶ Epoxy-sealed back cover provides effective EMI-RFI shielding >-70dB eliminating signal ingress to provide distortion free pictures
- ▶ 1-inch centered $\frac{3}{8}$ " long precision machined F-connector threads ensure improved port-to-connector interface and accommodate external security devices
- ▶ Internal seizing pins provide improved connectivity to connector center lead
- ▶ 2-port versions feature cast-in mounting-tabs and ground block with provided mounting screws to enable easy and cost-effective installations

TRU SPEC™
A PICO MACOM REGISTERED TRADEMARK



HFS-2/2150



HFS-4/2150



HFS-2P/2150



HFS-4P/2150

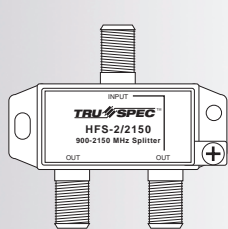
HFS2150 Series

2150MHz 90dB EMI Satellite Splitters

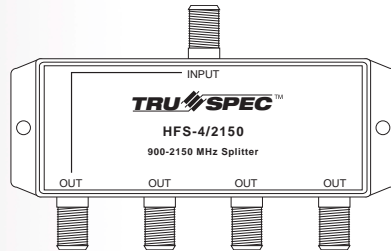
TruSpec's HFS-series professional-grade high frequency satellite splitters are manufactured to precise specifications to provide low insertion loss, high isolation and return loss performance. **HFS-series** are ideally suited for headends where satellite signals are split to multiple receivers and used in both 950-1450 MHz satellite distribution systems and stacked polarity 950-2150MHz satellite systems. DC power can be passed from input and to a single output (**HFS-series**), or can be passed through all ports (**HFS-P series**) for total flexibility in remote LNB powering applications. Advanced printed board circuitry ensures high-quality analog or digital signal transfer. F-port threads are precision machined, ensuring easy connector installation and removal, and improved port-to-connector interface. Internal seizing pins ensure excellent connectivity to connector center lead. The zinc-alloy cast case and epoxy sealed back plate provide superior RFI shielding (-90dB) and a full environmental seal. Each **HFS** splitter is individually tested at the factory to comply with precise quality standards.

HFS2150 Series

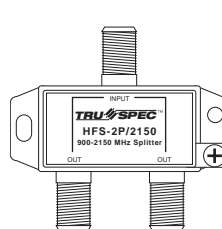
2150MHz 90dB EMI Satellite Splitters



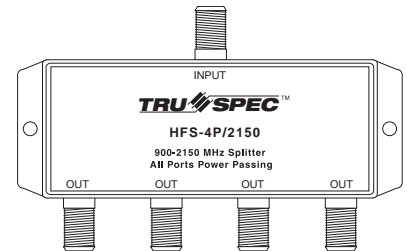
HFS-2/2150



HFS-4/2150



HFS-2P/2150



HFS-4P/2150

Specifications

HFS-2/2150

Insertion Loss (In-Out) : 2.7dB Typical **Trace A**
 Return Loss (Output): 18dB Typical
 Isolation (Out-Out): 25dB Typical
 Dimensions: 2.3" (L) x 1.9" (W) x 0.6"(H)

HFS-2P/2150

Insertion Loss (In-Out): 3.2dB Typical **Trace A**
 Return Loss (Output): 18dB Typical
 Isolation (Out-Out): 25dB Typical
 Dimensions: 2.3"(L) x 1.9"(W) x 0.6"(H)

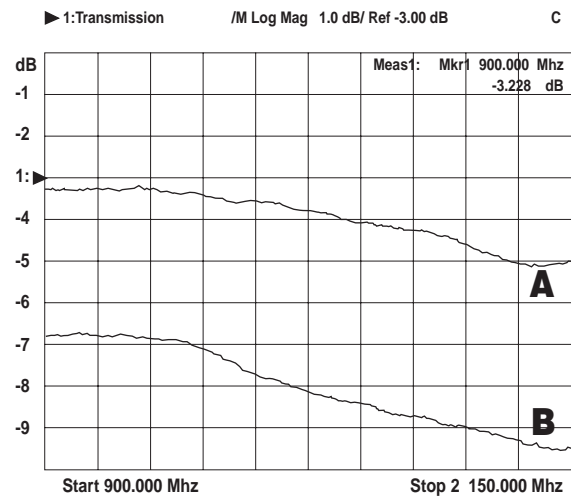
HFS-4/2150

Insertion Loss (In-Out): 7.9dB Typical **Trace B**
 Return Loss (Output): 16dB Typical
 Isolation (Out-Out): 20dB Typical
 Dimensions: 4.6"(L) x 2.9"(W) x 0.6"(H)

HFS-4P/2150

Insertion Loss (In-Out): 8.4dB Typical **Trace B**
 Return Loss (Output): 15dB Typical
 Isolation (Out-Out): 20dB Typical
 Dimensions: 4.6"(L) x 2.9"(W) x 0.6"(H)

INSERTION LOSS Typical



Ordering Information

- HFS-2/2150** 2-Port Splitter DC-Passing to 1-Port
- HFS-4/2150** 4-Port Splitter DC-Passing to 1-Port
- HFS-2P/2150** 2-Port Splitter DC-Passing to All Ports
- HFS-4P/2150** 4-Port Splitter DC-Passing to All Ports

Specifications Subject to Change

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