

UHF 200 Watt SATCOM Diplexer / Combiner

- Allows simultaneous use of two UHF SATCOM Transceivers (200 Watts per channel) with one antenna.
- No TX/RX switching, isolation between TX & RX bands takes place through custom filters ensuring compatibility with all of the fast switching communication modes
- Built in 27 dB Low Noise Amplifier (LNA) per channel
- Custom Waterproof Enclosure w/ (3) N-type RF Female Connections, (1) MS-3112E8-2P Power Connector and (1) 3-position Power Switch w/ LED Power Indicator
- Frequency Range 243-270 MHz Receive, 292-318 MHz Transmit
- Automatic Diplexer bypass with power failure - connects Radio 1 port to Antenna
- Ability to power the unit through local power connection or through the Radio 1 RF Connector via a Bias "T" circuit (9-28 VDC input)
- Great for use on Maritime Craft, Vehicles, Base Stations and other platforms that are limited for antenna space



Tactical Support Equipment

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Specifications and Plots

Primary Power: 9-28 VDC

.54A @ 28 VDC, .64A @ 24 VDC,
 1.08A @ 15 VDC, 1.42A @ 12 VDC,
 2.14A @ 9 VDC

(Use PT# MS3116F8-2S as mating connector.
 Wired "A's Hot (+VDC), B's Not (Gnd)")

Frequency Range:

243-270 MHz (Receive Band)
 292-318 MHz (Transmit Band)

Input / Output Impedance:

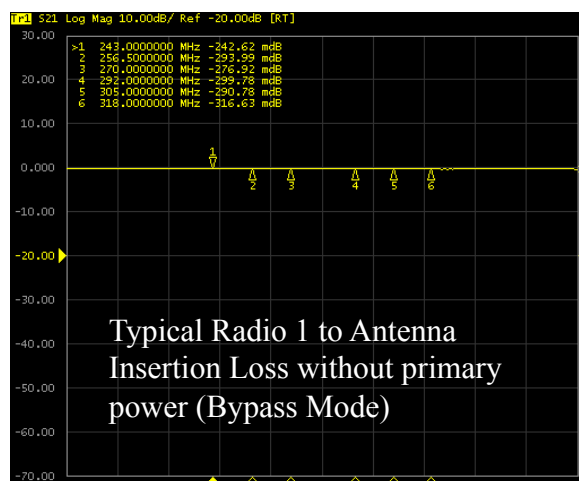
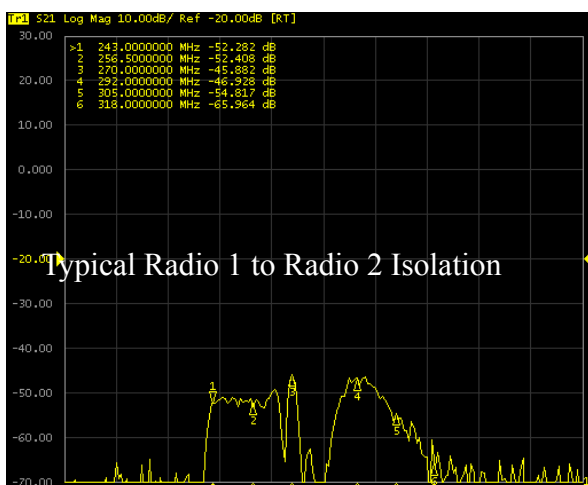
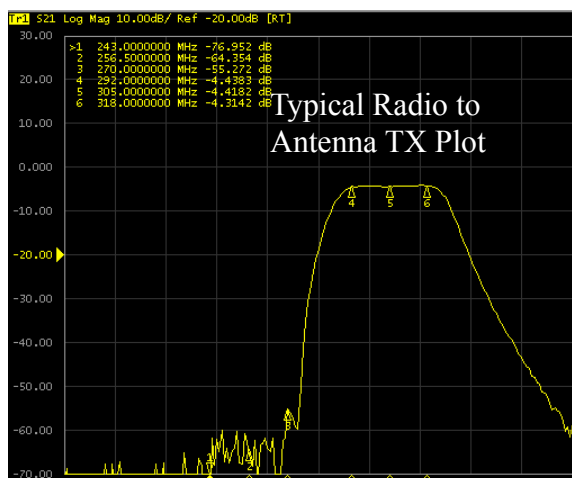
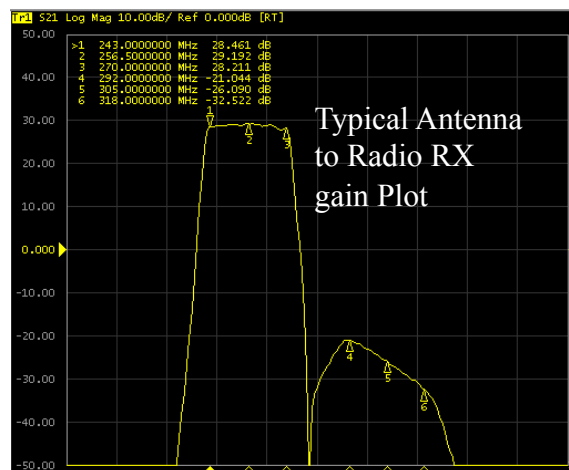
50 Ohms

RF Characteristics:

Antenna to Radio 1 or 2: +27 dB (RX band)
 Radio 1 or 2 to Antenna: -4.5 dB (TX band)
 Radio 1 to Radio 2 Isolation: >40dB
 Power Bypass Mode: Rad1 to Ant -.5dB

Physical Characteristics:

Size: 8.35" W x 15.4"L x 5.25"H
 Weight: 18.75 LBS
 Material: Aluminum, Black Powder Coat (FED-STD 595B)



For more information, contact sales@tserecon.com
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