

System Interface Products

MT 433 Mux Tee



10MHz Multiplexer, M&C channel, and Bias Tee in one package

How to order a MT433 Mux/Tee



BNC-to-pigtail adapters and BNC-to-binding post adapters sold separately. See SIP price list for part number and price.

Orbital Design:

Orbital Research introduces a System Interface Product (SIP) that adds a data channel capability to our conventional Mux/Tee product. The MT 433 enables M&C information to be transmitted from the indoor unit to the outdoor unit simultaneously with DC, reference and L-band IF signals. This eliminates the need for separate M&C cable connections.

Orbital Features:

Specifications

- 433 MHz control channel port, -60 to -90 dBm, 50 ohms
- 11 MHz data channel bandwidth, (19.2 kbs data rate min)
- Highpass filtered L band: rolloff below 900MHz, flat 950 thru 2100MHz
 - Assures DC block to Rx port and 10 MHz port
- Filtered 10MHz
- low thru loss from 10 MHz input to LNB
- Lowpass filtered DC, 4.0A capacity (12 to 48V) standard for LNBs or transmitters
- Any combination of 50Ω and 75Ω in/out Impedance transforms, (eg. 75Ω J-1 to 50Ω J-2)
- Very low passband ripple and insertion loss
- Very high Rx port to 10MHz port isolation, no leakage back to rx
- Superior Input and Output VSWR
- Will not degrade phase noise performance

Functional

- Will operate with LNBs, BDCs, VSATs, BUCs, and Modems
- Connectors O ring sealed for weather resistant operation
- Will not cause loss of lock
- Will not impair bit error rate

Structural

- Machined from solid aluminum block for strength, stability and endurance
- Anodyzed finish for corrosion protection and excellent RF shielding/grounding
- Excellent shielding and grounding
- 'Back O Rack' mounting bracket for ease of installation and lead dress
- Fewer cables and connectors yield less signal degradation

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System Interface Product: MT 433 Mux Tee Specifications



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