

Dual Band OMT



RX: 3.625 ÷ 4.2 GHz (WR229/R40)

TX: 5.825 ÷ 6.425 GHz (WR137/R70)

Isolation > 30 dB, RL > 18 dB

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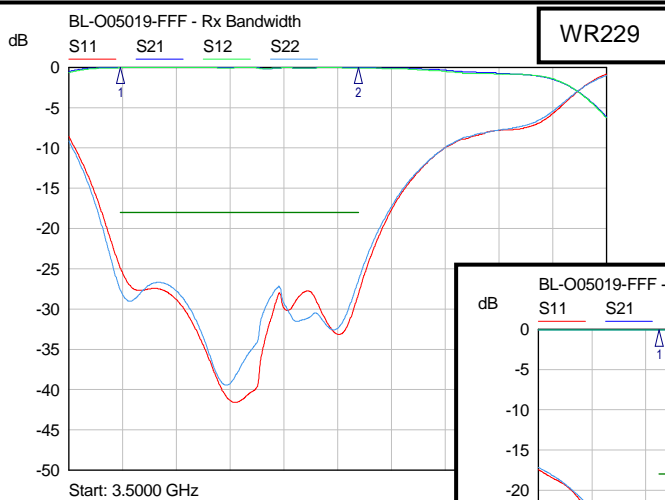
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This new Dual Band OMT is for Sat-Com applications (outdoor use). The Rx band is in WR229/R40 waveguide and the TX band is in WR137/R70 waveguide. Isolation is better than 30 dB, IL is less than 0.2 dB and Return Loss is > 18 dB (typically better than 25 dB).

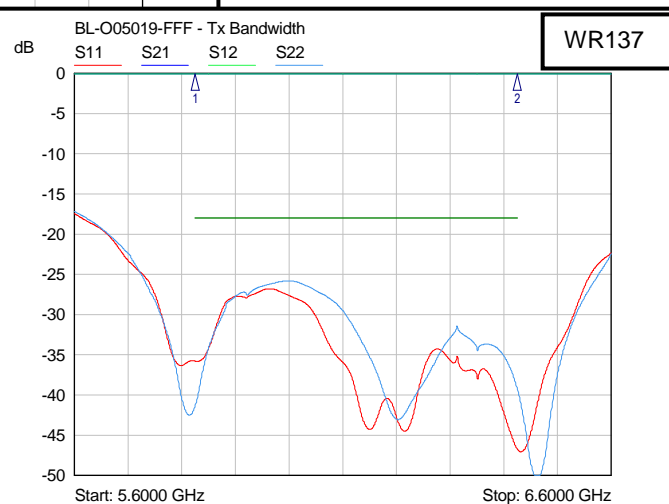
Dual Band OMT - P/N BL-O05019-FFF

Rx Bandwidth	3.625 ÷ 4.200 GHz
Tx Bandwidth	5.825 ÷ 6.425 GHz
Isolation & Cross-polarization	> 30 dB
Insertion Loss	≤ 0.2 dB
Return loss	≥ 18 dB (better than 25 dB typical)
Dimensions	220 x 135.4 x 115.6 mm (flanges included)
Antenna Port	circular flange Ø 115.6 mm (PAR40) for circular waveguide Ø 55.2 mm
Rx/Tx Ports	PDR40 flange for Rx, PDR70 flange for Tx
Finish	Powder coating, matt fine texturized, RAL 9002

Insertion Loss & Return Loss

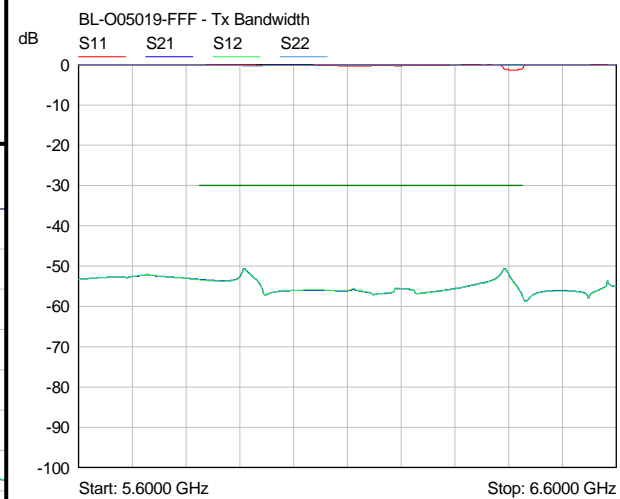
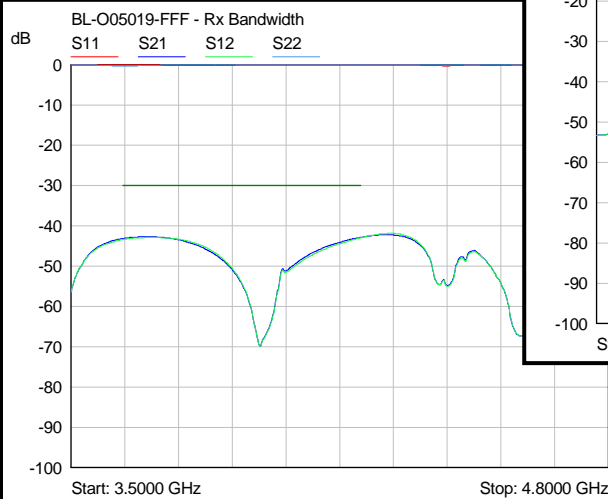


Mkr	Trace	X-Axis	Value
1	S21	3.6250 GHz	-0.01 dB
2	S21	4.2000 GHz	-0.03 dB



Mkr	Trace	X-Axis	Value	Notes
1	S21	5.8250 GHz	-0.05 dB	
2	S21	6.4250 GHz	-0.06 dB	

Isolation



Mechanical Outline

