

Bi Directional RF Coupler - BroadBand - SMP Connectors

Coupler Features:

- BroadBand 0.8 GHz to Greater Than 6 GHz
- Low Loss Less Than 0.8 dB at 6 GHz
- Good Directivity Greater Than 20 dB to 5.6 GHz
- RoHs Compliant

Part Number:

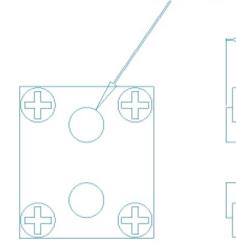
BBTLine_Coupler1_SMP

Description:

Shown below is a 4-Port Bi Directional RF Coupler With Male Smooth-Bore SMP Connectors (X4). The Coupler has excellent performance from 0.8 GHz to Greater Than 6 GHz.

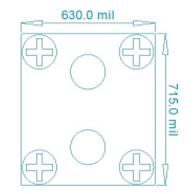


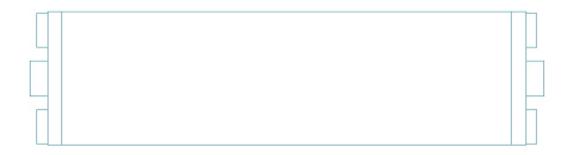
Mechanical Dimensions:



SMP Smooth Bore Connectors (Male) (X4)



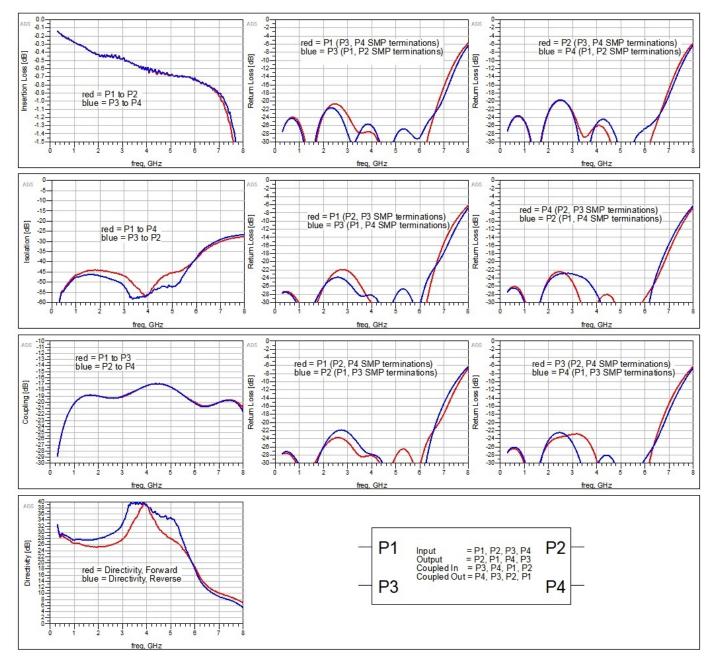




RF Specifications:

Specifications (at Room Temperature):		
Frequency Range [GHz]	0.8 to 6	
Insertion Loss [dB]	< 0.8	
Directivity [dB] (< 5.6 GHz)	> 20	
Mean Coupling [dB]	-19	
Coupling Ripple [dB]	+/- 2	
Return Loss [dB], All Ports	< -19	
RF Power [Watts]*	> 20 *	
* Note: 20 Watts is the test setup limitation, not th	e coupler power-handling limitatio	n. Tested at a CW freq of 3.55 GHz

Typical Device RF Performance:



BroadBand Transmission Line, BBTLine, LLC. 10907 NE 133rd St., Kirkland, WA 98034. 425-273-3712. https://bbt-line.com/