



BroadBand SMP-Connectorized Bi-Directional Coupler

Features:

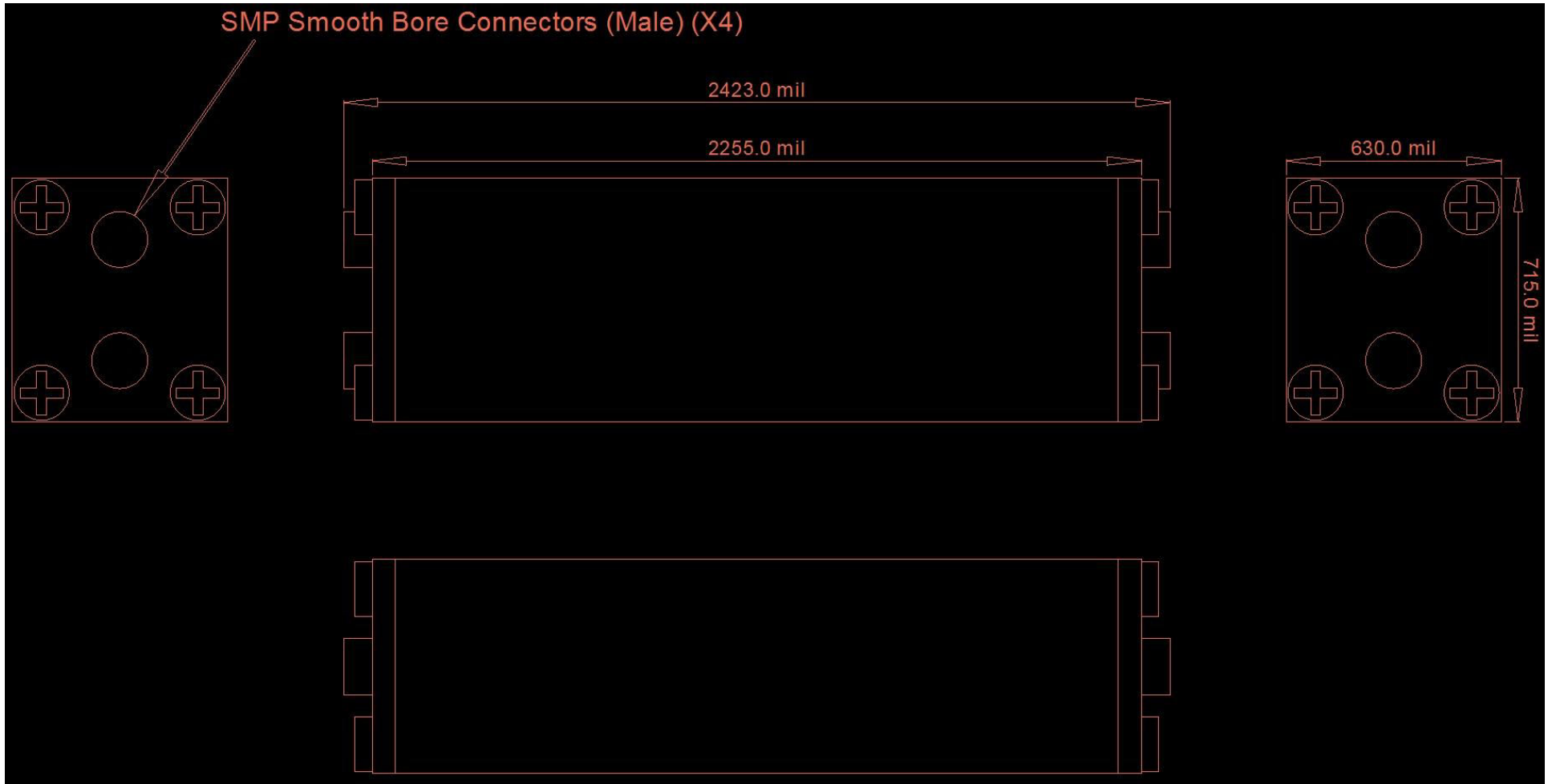
- BroadBand 0.8 to > 6 GHz Operation
- Low Loss (< 0.8 dB at 6 GHz)
- Good Directivity (> 20 dB to 5.6 GHz)
- RoHs Compliant

Datasheet Model Number: [BBTLine_Coupler1_SMP](#)

Description: Shown below is a four port, SMP-Connectorized (Smooth-Bore SMP's) RF Bi-Directional Coupler. The coupler has excellent performance from 0.8 GHz to > 6 GHz.



Mechanical Dimensions:



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 the coupler power-handling limitation. Tested at a CW freq of 3.55 GHz

Typical Device RF Performance:

