

## DIRECTIONAL COUPLER

C10-0226

The C10-0226 is a broadband, 2-26.5 GHz, 10 dB directional coupler. The multisection tri-plate stripline design exhibits excellent coupling flatness and VSWR at all ports. Custom designs are also available, contact the factory for details.

### Features

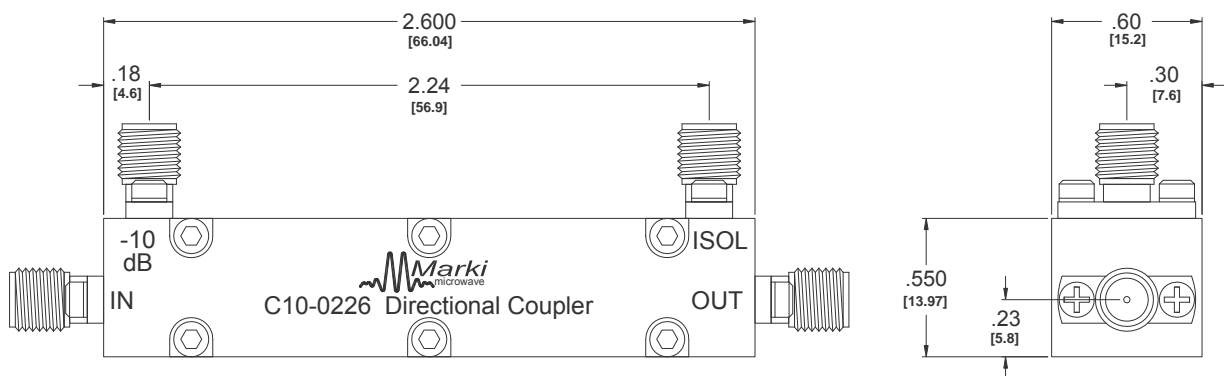
- Broadband performance
- Excellent amplitude and phase balance
- High isolation
- Outstanding VSWR



### Electrical Specifications

Parameter <sup>1</sup>	Frequency Range (GHz)	Min	Typ	Max
Mean Coupling (dB)			10	
Amplitude Flatness (dB)			±0.5	±1.0
Direct Line Insertion Loss (dB)				2.2
VSWR	2 to 20			1.35
	20 to 26.5			1.43
Directivity (dB)	2 to 15	15	20	
	20 to 26.5	12	14	
Weight (g)			45	

<sup>1</sup>Specifications guaranteed when operated in a 50Ω system.



Typical Performance

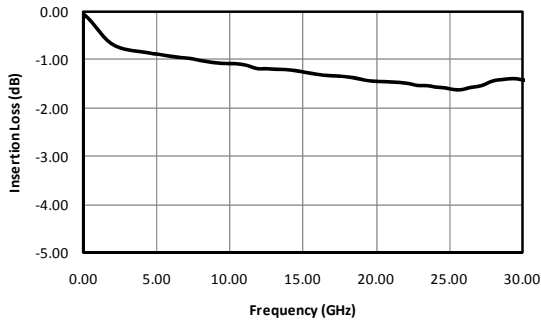


Fig. 1. Direct line insertion loss.

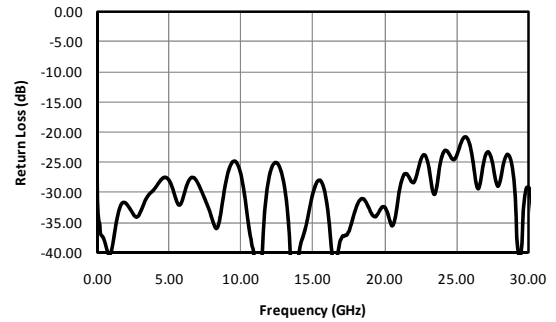


Fig. 2. Typical port return loss.

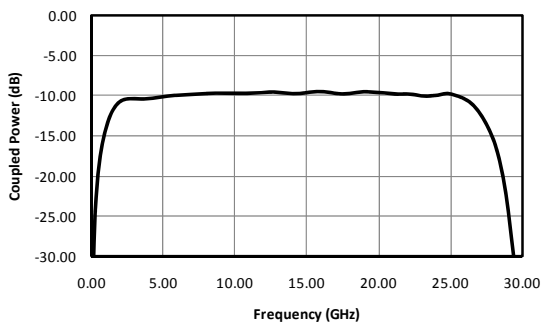


Fig. 3. Coupled port power.

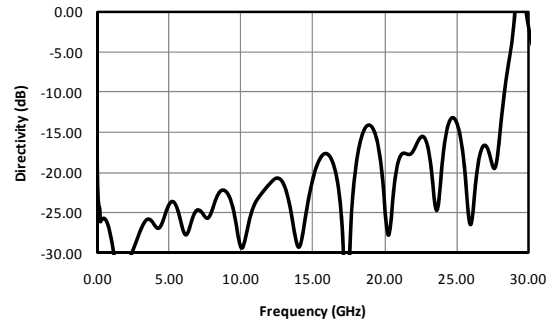


Fig. 4. Typical directivity.

Model Number	Description
C10-0226	2-26.5 GHz 10 dB Directional Coupler with SMA Female connectors <sup>1</sup>

<sup>1</sup>Default is SMA female connectors. Contact factory for other connector options.

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