

LEAD-FREE / RoHS-COMPLIANT

DIRECTIONAL COUPLER

C09-0R430

The C09-0R430 is a broadband 0.45-30 GHz, 9 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

- Ultra Broadband Performance
- Excellent Coupling Flatness
- High Directivity
- Low VSWR
- RoHS Compliant
- [Microwave Power Dividers & Couplers App Note](#)

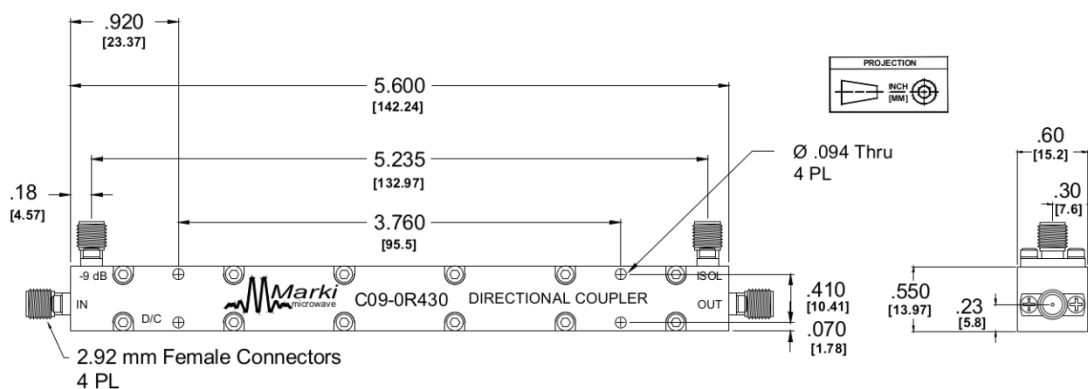


Electrical Specifications

Parameter ¹	Frequency Range	Min	Typ	Max
Mean Coupling (dB)	450 MHz - 30 GHz		9	
Amplitude Flatness (dB) ²			±0.7	±1.4
Direct Line Insertion Loss (dB)	DC - 30 GHz		1.3	2.6
VSWR	DC - 18 GHz		1.15	1.45
	18 GHz - 30 GHz		1.3	1.8
Directivity (dB)	450 MHz - 18 GHz	15	20	
	18 GHz - 30 GHz	12	16	
Weight (g)			90	

¹Specifications guaranteed when operated in a 50Ω system.

²Deviation from average coupling.

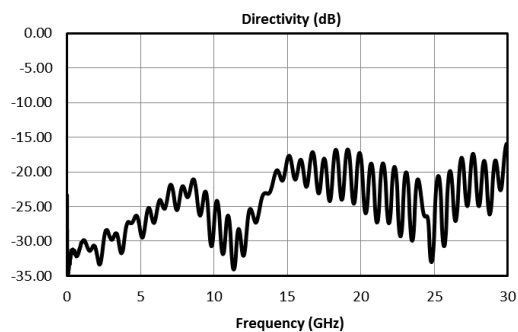
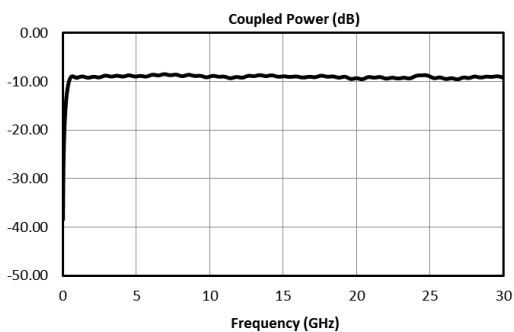
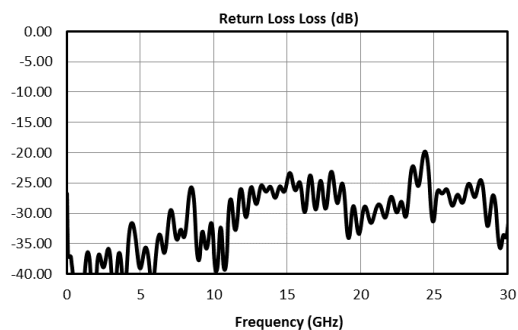
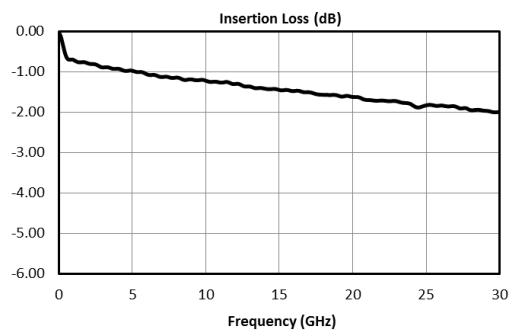


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Typical Performance



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Model Number	Description
C09-0R430	0.45-30 GHz, 9 dB Directional Coupler with 2.92mm connectors ¹ , LEAD-FREE/ROHS COMPLIANT

¹Default is 2.92mm female connectors. Consult factory for other connector options.

Revision History

Revision code	Revision Date	Comment
B	4/2020	Updated Direct Line IL specs

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