

LEAD-FREE / RoHS-COMPLIANT

DIRECTIONAL COUPLER

C16-1R718

The C16-1R718 is a broadband 1.7-18 GHz, 16 dB directional coupler. The multisection tri-plate stripline design exhibits excellent coupling flatness and VSWR at all ports. Conductively coated package is highly effective in minimizing EMI/RFI. Custom designs are also available; contact the factory for details.

Features

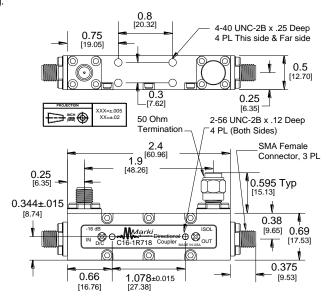
- Broadband Performance
- Excellent Coupling Flatness
- High Directivity
- Low VSWR
- EMI/RFI Shielded
- Microwave Power Dividers & Couplers App Note

Electrical Specifications

Parameter ¹	Frequency Range (GHz)	Min	Тур	Max
Mean Coupling (dB)			16	
Amplitude Flatness (dB) ²			±0.3	±0.7
Direct Line Insertion Loss (dB)				1
VSWR (In/Out)	1.7-18		1.15	1.4
VSWR (Coupled)			1.2	1.45
Directivity (dB)		15	20	
Weight (g)			55	

¹Specifications guaranteed when operated in a 50Ω system.

²Deviation from average coupling.



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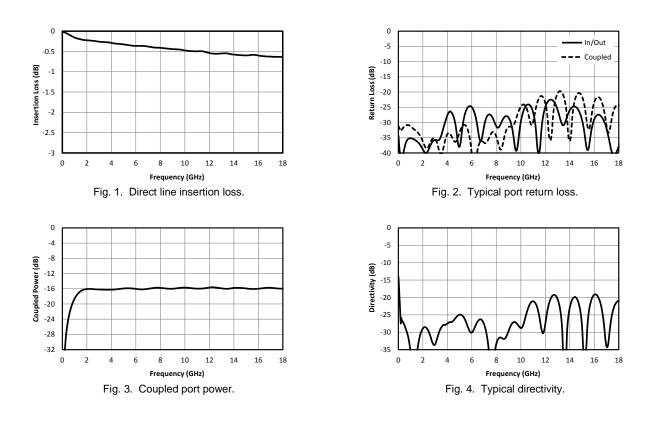


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Typical Performance



Model Number	Description	
C16-1R718	1.7-18 GHz, 16 dB Directional Coupler with SMA connectors	

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

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