

# 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

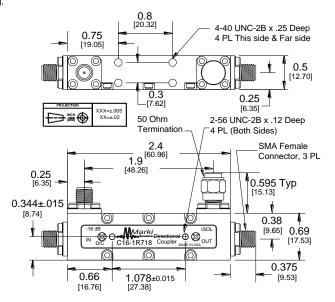
- Broadband Performance
- Excellent Coupling Flatness
- High Directivity
- Low VSWR
- EMI/RFI Shielded
- Microwave Power Dividers & Couplers App Note

#### **Electrical Specifications**

Parameter <sup>1</sup>	Frequency Range (GHz)	Min	Тур	Max
Mean Coupling (dB)			16	
Amplitude Flatness (dB) <sup>2</sup>			±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	

<sup>1</sup>Specifications guaranteed when operated in a  $50\Omega$  system.

<sup>2</sup>Deviation from average coupling.



215 Vineyard Court, Morgan Hill, CA 95037 | Ph: 408.778.4200 | Fax 408.778.4300 | info@markimicrowave.com

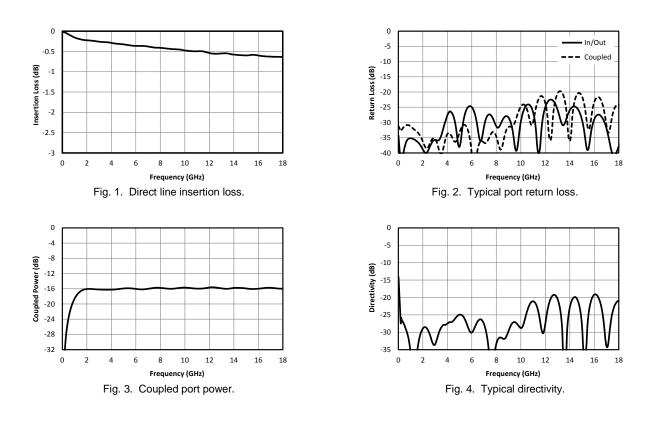


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Page 2

Typical Performance



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

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

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