

DIRECTIONAL COUPLER

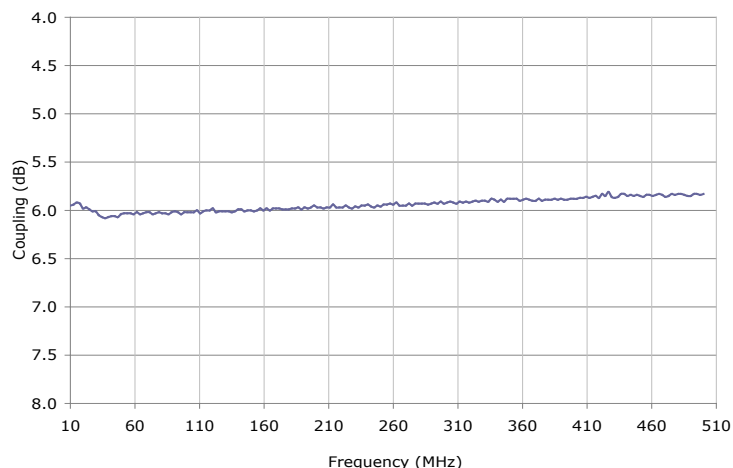
SURFACE MOUNT MODEL: GC6-1

WIDE BANDWIDTH

10 - 500 MHz

FEATURES:

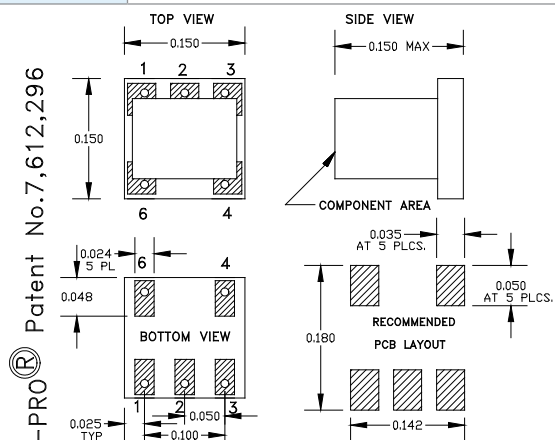
- ▶ Low Insertion Loss
- ▶ Excellent Coupling Flatness
- ▶ High Directivity
- ▶ Lead Free Patented Rel-Pro® Technology
- ▶ Small Size, Surface Mount



SPECIFICATIONS (Rev. A 10/16/09)

Frequency	10 - 500 MHz		
Coupling	6 dB ± 0.5 dB (Nom.)		
Coupling Flatness	± 1.0 dB		
Mainline Loss	Freq. (MHz)	dB (Typ.)	dB (Max.)
	10 - 50	1.8	2.2
	50 - 250	1.8	2.3
	250 - 500	2.0	2.5
Directivity	Freq. (MHz)	dB (Typ.)	dB (Min.)
	10 - 50	34	20
	50 - 250	32	20
	250 - 500	26	18
Input Power Rating	1 Watt (Max.)		
Impedance	50 Ohms (Nom.)		
VSWR:	1.50:1 (Typ.)		
Operating Temperature Range	-40 to +85 °C		

Package # 311

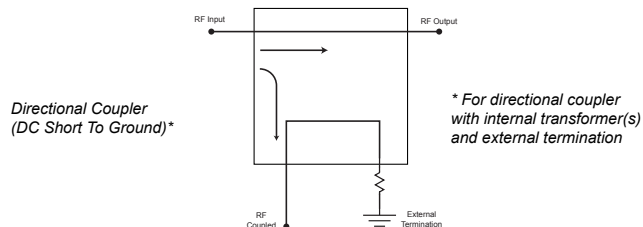


PACKAGE MOUNTING: SEE APPLICATION NOTES AN7200 & AN7301

PORT CONFIGURATION

Input	Output	Coupled	Isolated*	Gnd.
6	1	4	3	2

* Terminate with 50 Ohms externally.



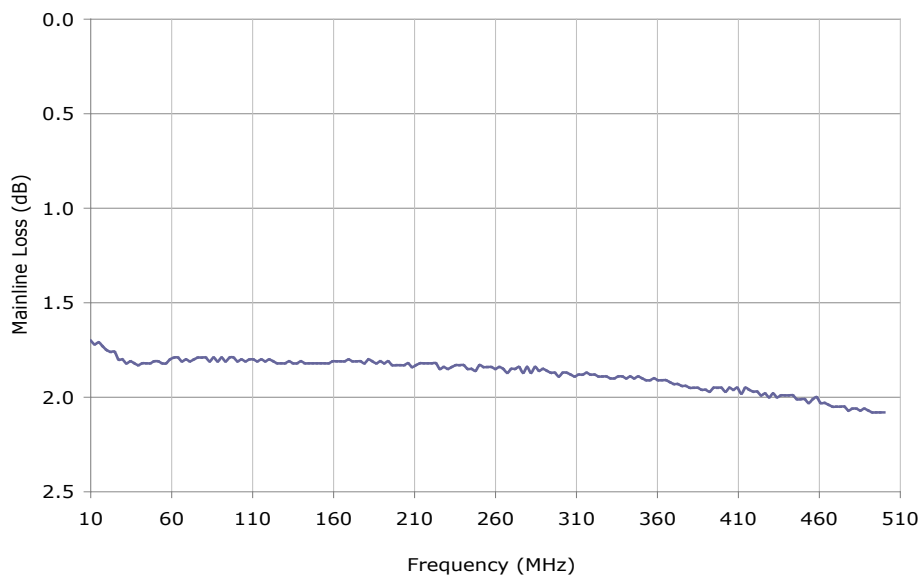
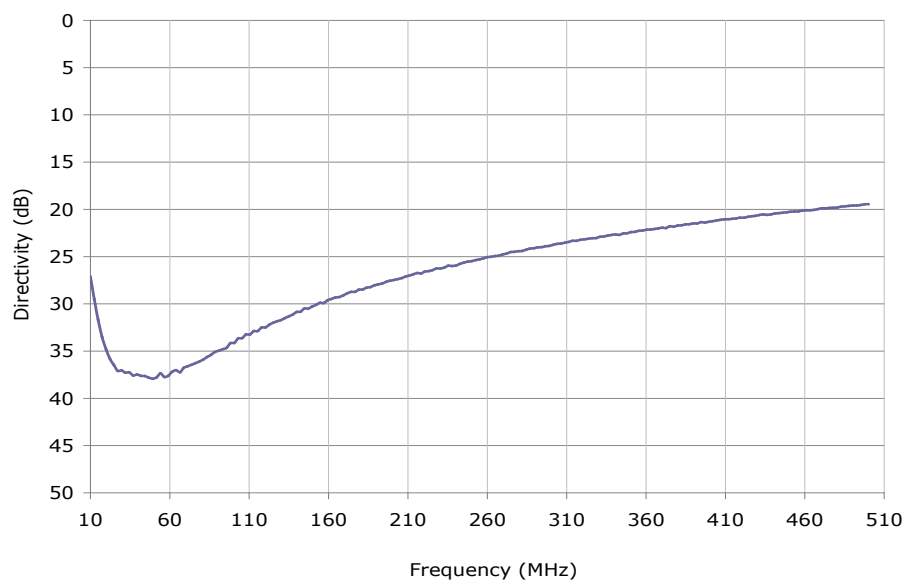
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PERFORMANCE PLOTS

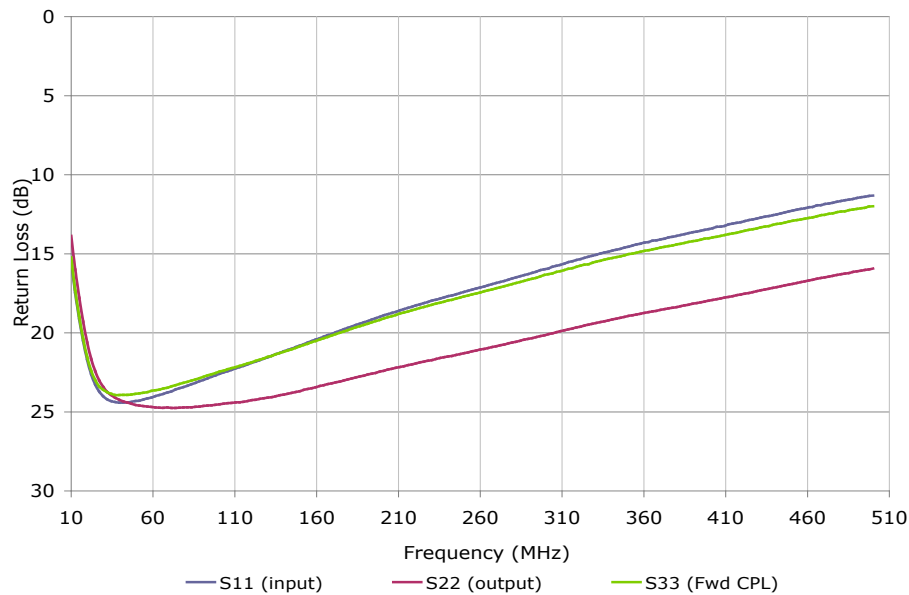


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PERFORMANCE PLOTS