

180° HYBRID

SURFACE MOUNT MODEL: SMJ-C6

WIDE BANDWIDTH

20 - 1200 MHz

FEATURES:

- ▶ Wide Bandwidth
- ▶ Closely Controlled Phase/Amplitude Unbalance
- ▶ Small Size, Surface Mount
- ▶ RoHS Compliant

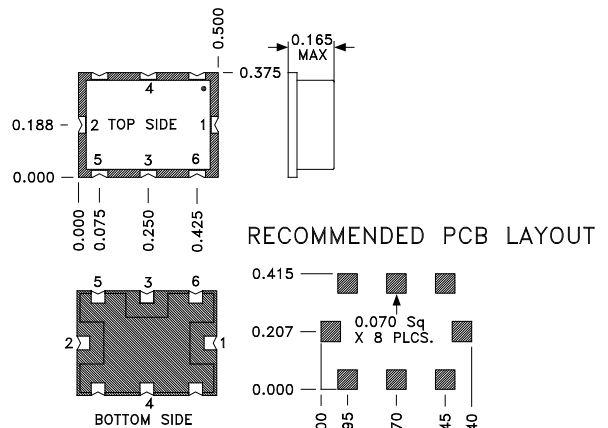


SPECIFICATIONS (Rev. B 10/17/13)

Frequency	20 - 1200 MHz		
Insertion Loss (dB) *	Freq. (MHz)	(Typ.)	(Max.)
	20-200	1.2	1.5
	200-600	0.9	1.3
Amplitude Unbalance (dB)	Freq. (MHz)	(Typ.)	(Max.)
	20-200	0.3	0.6
	200-600	0.4	0.6
Phase Unbalance	Freq. (MHz)	(Typ.)	(Max.)
	20-200	1.0°	3.0°
	200-600	2.0°	4.0°
Isolation (dB)	Freq. (MHz)	(Typ.)	(Max.)
	20-200	26	20
	200-600	25	18
Input Power Rating	Freq. (MHz)	(Typ.)	(Max.)
	20-200	26	20
	200-600	25	18
Impedance	50 Ohms (Nom.)		
VSWR	1.3:1 (Typ.)		
Operating Temperature Range	-40 to +85 °C		

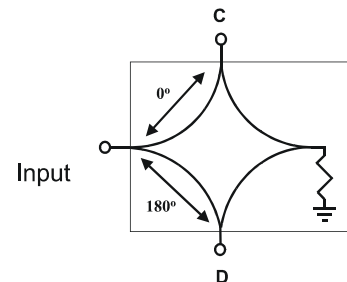
* Insertion loss in excess of the theoretical 3 dB coupling.

Package # 133



TOLERANCES ON THREE DECIMAL PLACES = ± 0.015
 PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200

Port Configuration			
Input	0° Output (C)	180° Output (D)	GND.
3	1	2	All Other



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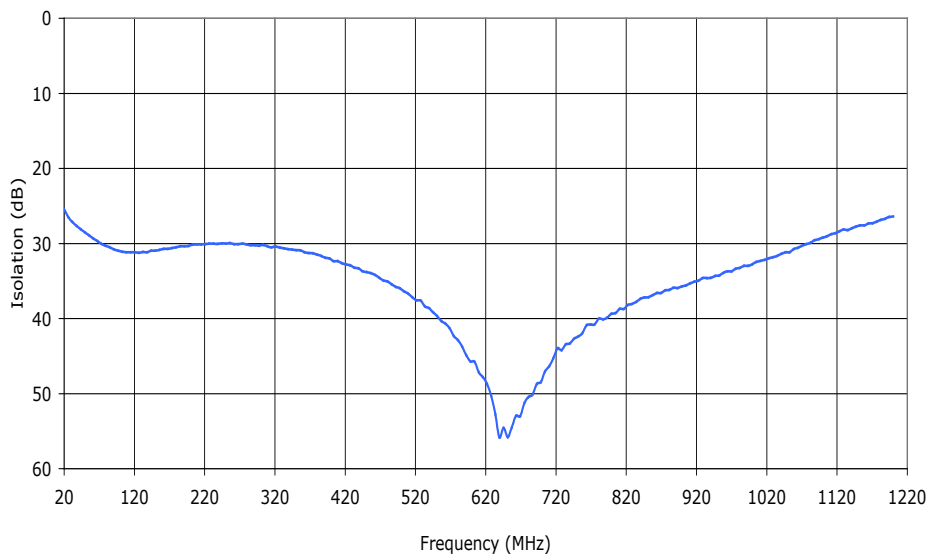
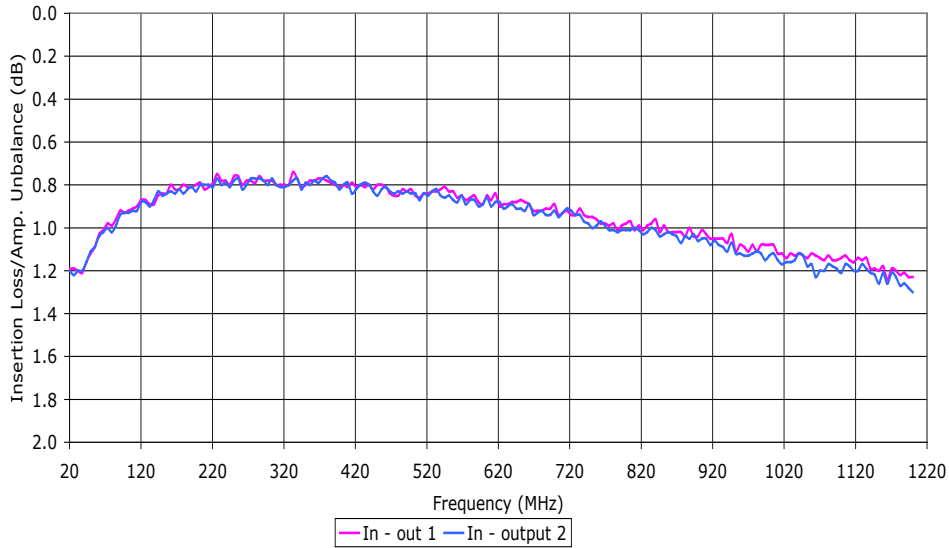
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Loss is in excess of theoretical 3 dB coupling loss.



PERFORMANCE PLOTS

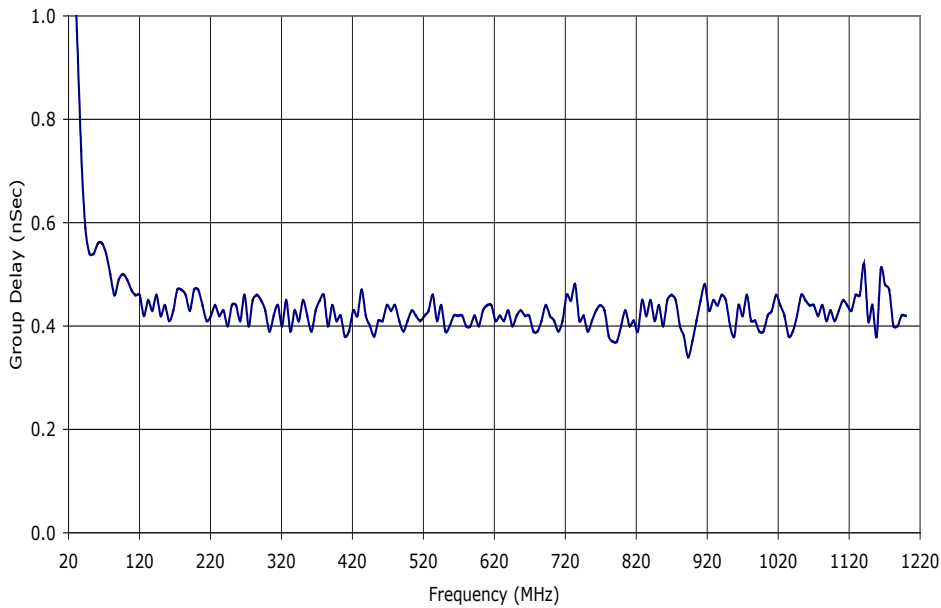
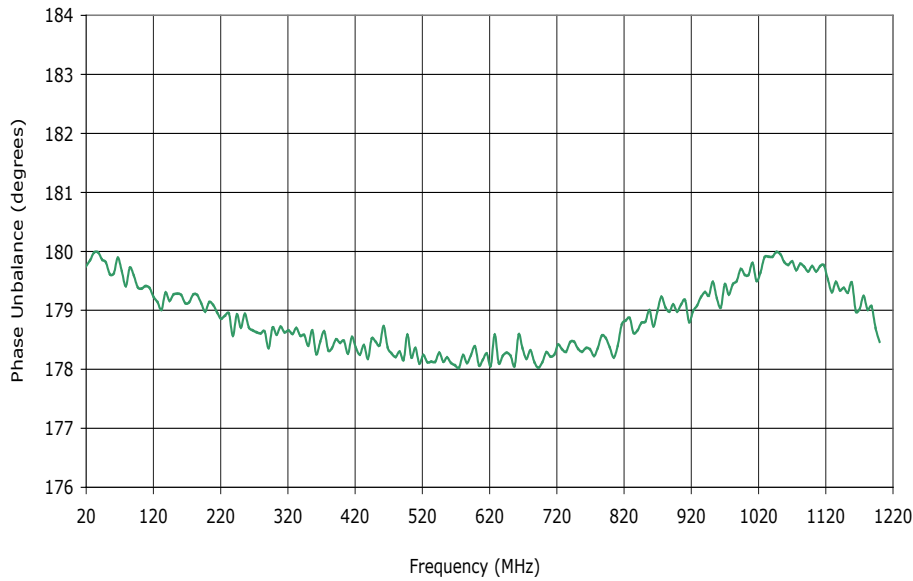
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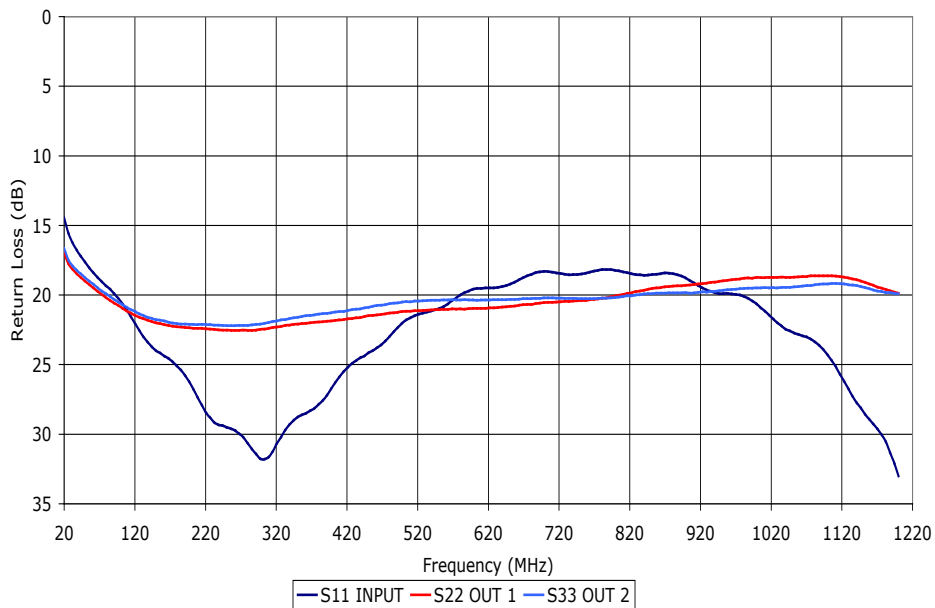
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