

DOUBLE-BALANCED MIXER

SURFACE MOUNT MODEL: SMD-6000

ULTRA WIDE BANDWIDTH

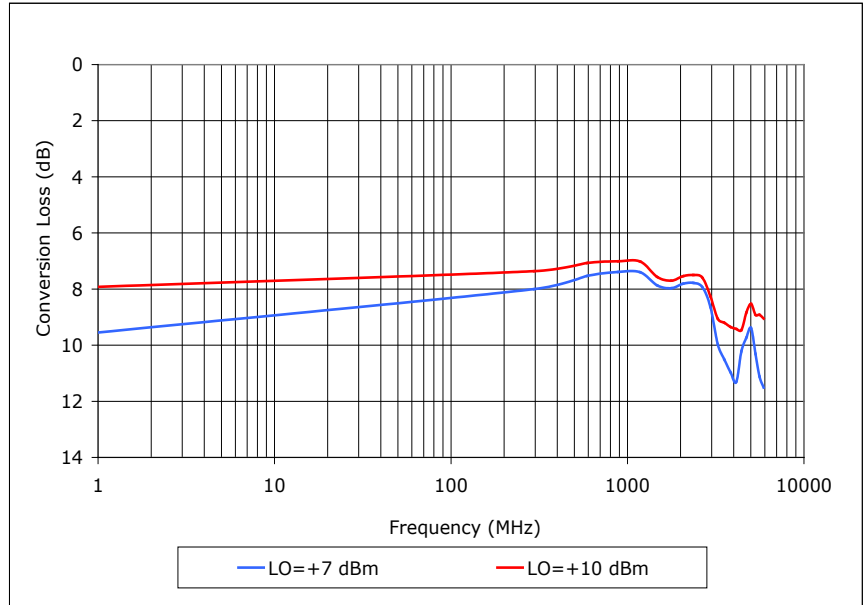
1 - 6000 MHz

FEATURES:

- ▶ High Performance
- ▶ High Interport Isolation
- ▶ Broad Bandwidth IF
- ▶ Good IF Matching
- ▶ Flat Conversion Loss Response

APPLICATIONS:

- ▶ Narrow Band & Broadband Up/Down Conversion.



SPECIFICATIONS (Rev. D 08/15/17)

Frequency (MHz)	LO/RF	IF
	1 - 6000	DC - 700
Conversion Loss (dB)	Typ.	Max.
	8.5	10.0
Isolation (dB)	Typ./Min.	
	LO/RF	25/15
	LO/IF	18/12
	RF/IF	15/12
LO Power	+10 dBm (Nom.)	
1 dB Compression Point	+3 dBm (Typ.)	
Input IP3	+15 dBm (Typ.)	
Impedance	50 Ohms (Nom.)	
Operating Temperature Range	-40 to +75 °C	

Package # 133

RECOMMENDED PCB LAYOUT

TOLERANCES ON THREE DECIMAL PLACES = ± 0.015

PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200

PORT CONFIGURATION			
RF	LO	IF	GND.
1	2	3	All Other

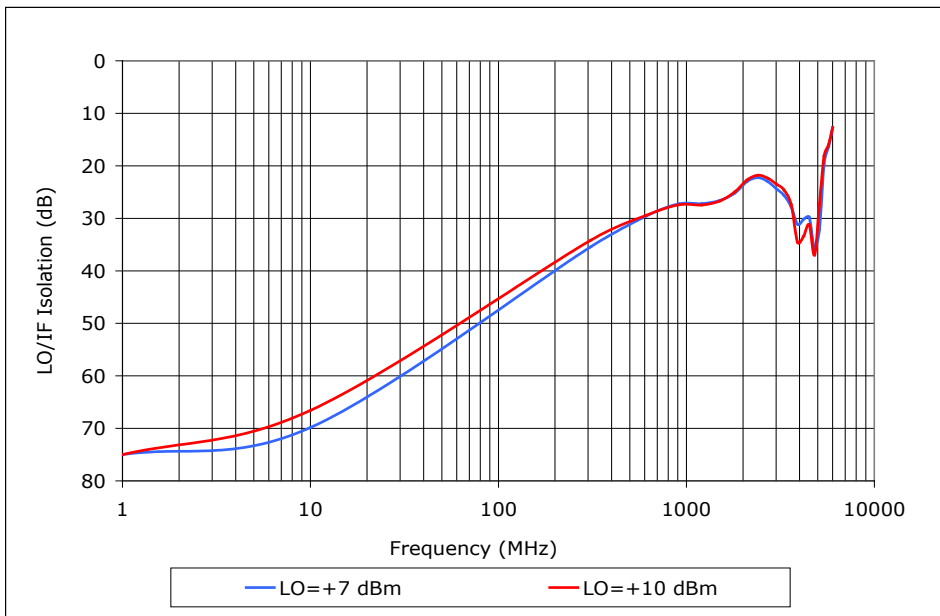
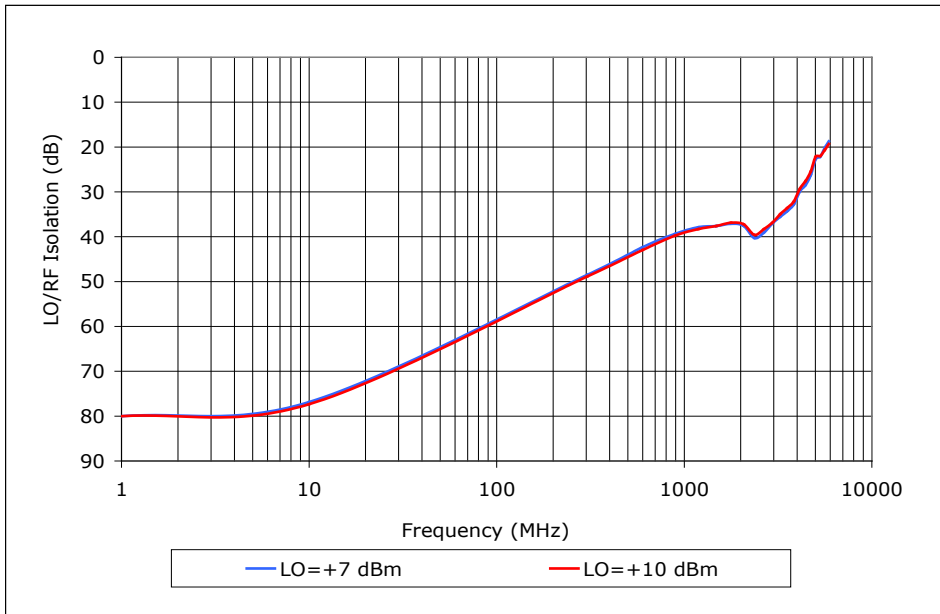
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PERFORMANCE PLOTS

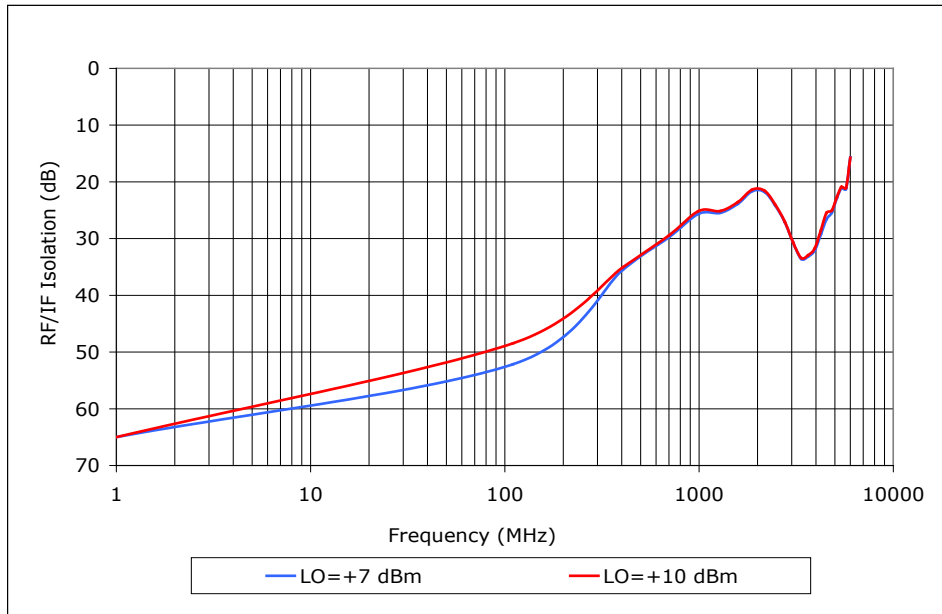


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