

DOUBLE-BALANCED MIXER

PLUG-IN MODEL: S-1

WIDE BANDWIDTH

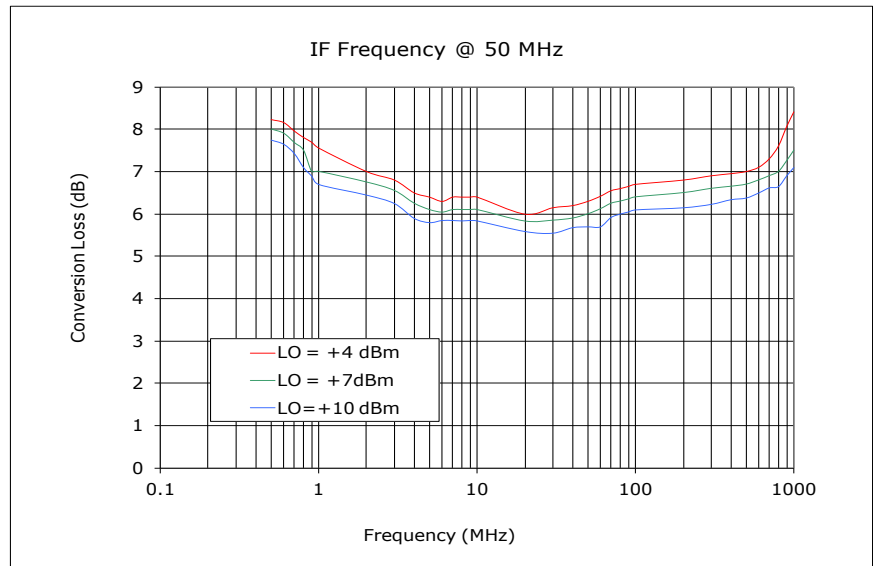
1 - 500 MHz

FEATURES:

- ▶ High Performance
- ▶ Low L.O. Leakage
- ▶ Broad Bandwidth IF
- ▶ Good IF Matching
- ▶ Low Conversion Loss Ripple
- ▶ Good Efficiency

APPLICATIONS:

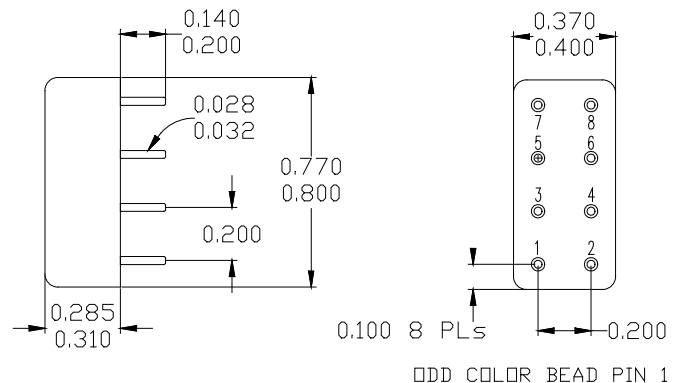
- ▶ Narrow Band & Broadband Up/Down Conversion.



SPECIFICATIONS

Frequency (MHz)	LO/RF		IF	
	1 - 500		DC - 500	
Conversion Loss (dB)	Freq. (MHz)	Typ.	Max.	
	2 - 250	5.5	7.0	
	1 - 500	6.5	8.0	
Isolation (dB)	Freq. (MHz)	LO/RF (Typ./Max.)	LO/IF (Typ./Max.)	
	1 - 10	65/45	45/35	
	10 - 250	45/35	40/25	
	250-500	40/25	30/20	
L.O. Power	+7 dBm (Nom.)			
1 dB Compression Point	+1 dBm (Typ.)			
Input IP ³	+13 dBm (Typ.)			
Impedance	50 Ohms (Nom.)			
Operating Temperature Range	-55 to +100 °C			

Package # 120



PORT CONFIGURATION

RF	LO	IF *	GND.
1	8	3,4	2,5,6,7

* Pins must be connected externally

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PERFORMANCE PLOTS

