

# REMEC

## Double Balanced Mixer

### RF Band

RF 10-1500 MHz

LO 10-1500 MHz

IF DC-1000 MHz

### Electrical Specifications (1):

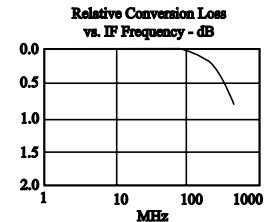
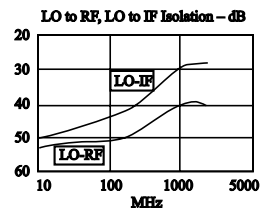
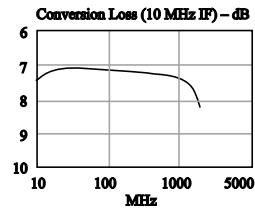
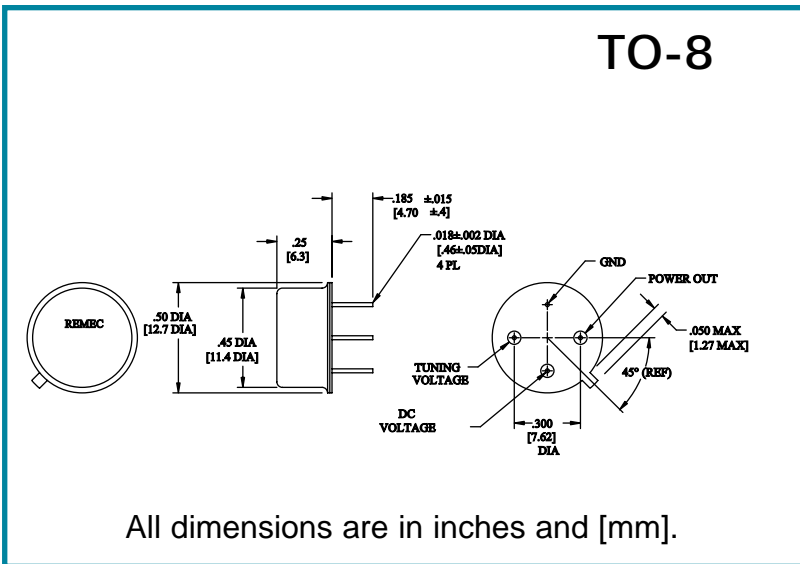
Parameter	Conditions			Specifications		
	RF(MHz)	LO(MHz)	IF(MHz)	Min	Typical	Max
SSB Conversion loss:(2)	10-1000	10-1000	DC-500		7.5 dB	8.0 dB
	10-1500	10-1500	DC-1000		8.5 dB	9.5 dB
Isolation		10-500 500-1500		35 dB 30 dB		
LO to IF:		10-500 500-1500		30 dB 25 dB		
Input 1-dB Compression Point:	10-1500	10-1500	DC-1000		+17 dBm	
Desensitization Point:	10-1500	10-1500	DC-1000		+15 dBm	
Input Third Order Intercept Point:	10-1500	10-1500	DC-1000		+27 dBm	
LO Power: (3)	10-1500	10-1500	DC-1000		+23 dBm	

# M57T

#### Notes:

- Specifications are guaranteed when tested as a downconverter in a 50 Ohm system at +25°C with the nominal LO power. Specifications indicated as typical are not guaranteed.
- SSB Noise figure is nominally within ±0.5 dB of the SSB conversion loss for IF frequencies greater than 10 MHz.
- Usable LO drives are up to 2 dB below and 3 dB above nominal.

### Typical Performance at 25°C



Specifications subject to change without notice.