Triple Balanced Mixer — Model MM9xxL-15

Ultra-Broadband — RF 2.0 to 18.0 GHz

Electrical Specifications: (1)

Parameter	Conditions RF (GHz)	LO (GHz)	IF (GHz)	Specifications Min	Typical	Max
SSB Conversion loss: (2) (3)	3.0-17.0 2.0-18.0	2.0-18.0 2.0-18.0	2.0-8.0 2.0-8.0		7.5 dB 8.5 dB	10.0 dB 10.5 dB
Isolation **LO to RF:** **LO to IF:** **RF to IF:**	 2.0-18.0	 2.0-18.0 2.0-18.0	 	 15 dB 17 dB	 25 dB 23 dB 22 dB	
Input 1 dB Compression Point:	2.0-18.0	2.0-18.0	2.0-8.0		+5 dBm +8 dBm +12 dBm +15 dBm	MM94 MM96 MM97 MM98
Input Third Order Intercept Point:	2.0-18.0	2.0-18.0	2.0-8.0		+14 dBm +17 dBm +21 dBm +24 dBm	MM94 MM96 MM97 MM98
LO Power: (4)	2.0-18.0	2.0-18.0	2.0-8.0		+10 dBm +13 dBm +17 dBm +21 dBm	MM94 MM96 MM97 MM98

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LO Power
4 = +10 dBm
6 = +13 dBm
7 = +17 dBm
8 = +21 dBm

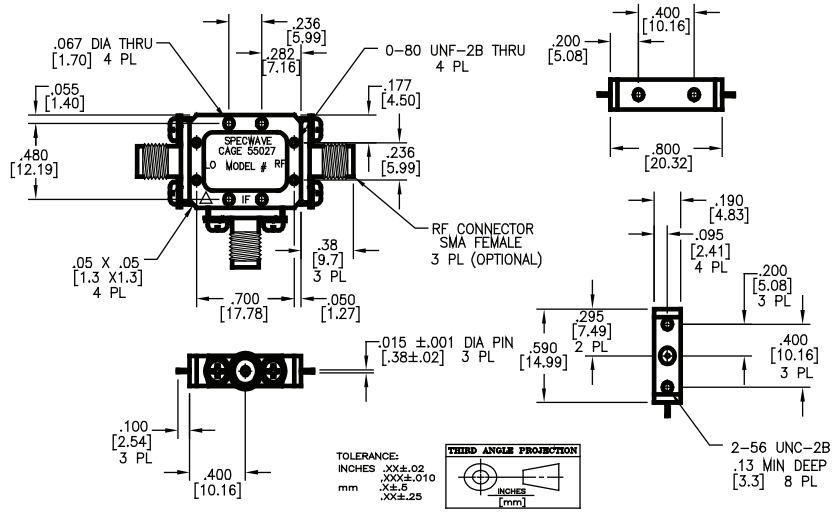
Drop-In Module or With SMA(F) Connectors
M = Module
P = With Connectors

Notes:
1. Specifications are guaranteed when tested as a downconverter in a 50 Ohm system from -55˚C to +100˚C with the nominal LO power. Specifications indicated as typical are not guaranteed.
2. Noise figure is typically within ±0.5 dB of conversion loss.
3. Conversion loss typically degrades less than 0.5 dB at +100˚C and improves less than 0.5 dB at -55˚C.
4. Usable LO drives are up to 2 dB below and 3 dB above nominal.

"ML" WITHOUT CONNECTORS
"PL" WITH REMOVABLE CONNECTORS

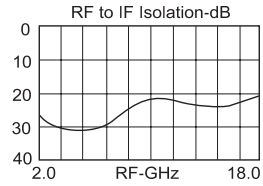
MM9xxL-15

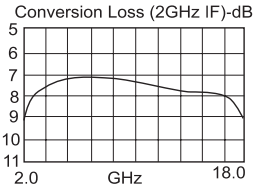
Outline: L

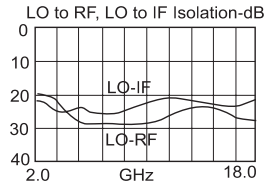


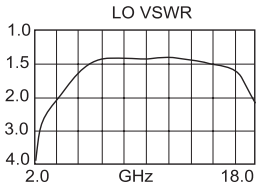
All dimensions are in inches and [mm].

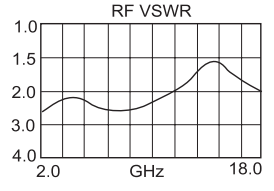
Typical Performance at 25 ˚C

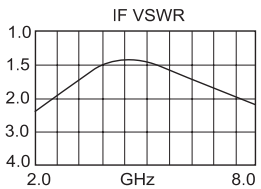


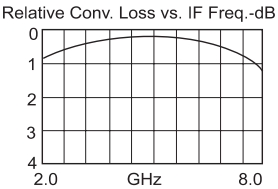












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