



Miniature Image Rejection Mixers With Removable Connectors 25XX/26XX/27XX Series

Features

- Broadband Double-Balanced 6-18 GHz
- Hermetic Seal
- Removable SMA Connectors
- Small 1.30 x 1.30 x .31 Inch Thick

Description

Miniature Image Rejection Mixers utilizing reliable planar construction. Ideal for drop-in applications where size, weight and reliability are prime concerns.

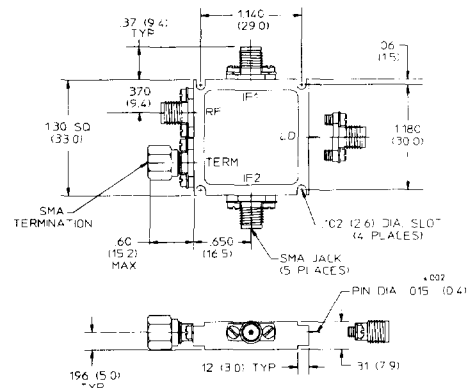
Environmental

These devices are designed to meet the following conditions:

Test	MIL-STD	Method	Cond
Mechanical Shock	202	213B	C
Constant Acceleration	883	2001	A
Thermal Cycle	883	1010	B
Vibration, HF	202	204D	D
Moisture Resistance	202	106E	-
Salt Spray	202	101D	A
Solvent Resistance	883	2015	-
Hermeticity	883	1014	Fine & Gross
Non-Destructive Bond Pull	883	2023	

Maximum Ratings

Parameter	
Operating Temp. Max.	-55°C to +100°C
Storage Temp. Max.	-65°C to +125°C
RF Input Power Max.	400 mW to any port 500 mW to all ports



IF Output Selection

RF > LO	IF1 Desired	IF2 Image
RF < LO	IF2 Desired	IF1 Image

Specifications Subject to Change Without Notice.

M/A-COM Inc. ■ 1011 Pawtucket Boulevard, Lowell, MA 01853 USA

■ Telephone: 800-366-2266

Specifications* 25°C

RF/LO Frequency Range (GHz)	L-R Isolation (dB min.)	L-I Isolation (dB min.)	VSWR R, L, I Typical	Image Rejection (dB min.)	Conversion Loss (dB) Max./Typ.	Input 1 dB Compression Pt. (dBm Min.)	LO Range (dBm) Min./Max.	Part Number ⁴
8.0-12.0	20	23	1.5, 2.0, 1.5	18	8.0/6.5	+3	+9/+13	25XX-09-IRL
					8.0/6.5	+9	+13/+17	25XX-09-IRM
					8.5/7.0	+13	+17/+21	25XX-09-IRH
12.0-18.0	20	23	1.8, 2.5, 1.5	18	8.5/7.0	+3	+9/+13	26XX-09-IRL
					8.5/7.0	+9	+13/+17	26XX-09-IRM
					9.0/7.5	+13	+17/+21	26XX-09-IRH
6.0-18.0	20	23	1.8, 2.5, 1.5	16	8.5/7.0	+3	+9/+13	27XX-09-IRL
					8.5/7.0	+9	+13/+17	27XX-09-IRM
					9.0/7.5	+13	+17/+21	27XX-09-IRH

Notes:

1. All measurements performed in a 50 ohm system.
 2. Image rejection measured at center IF frequency.
 3. Alternate IF ranges are also available. Consult factory for details.
 4. Specify IF frequency range from selection table.
- * Consult the factory for typical performance over frequency.

IF Selection Table

XX	IF Frequency Range
05	20-40 MHz
06	40-80 MHz
07	80-160 MHz
08	100-200 MHz

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