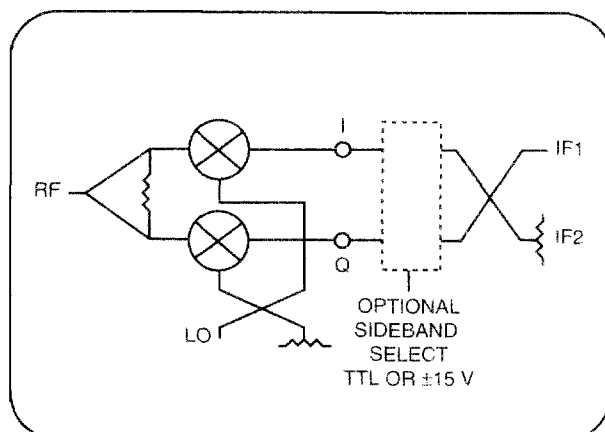


IMAGE REJECTION MIXERS

FEATURES

- **Low conversion loss**
- **RF/LO frequencies to 20 GHz in moderate to octave bands**
- **IF frequencies from 1 to 2000 MHz in octave to multioctave bands**
- **Optimized performance available**
- **Output configurations include:**
 - **Single sideband**
 - **Dual sideband**
 - **Voltage-selectable sideband**
- **Quadrature IF outputs available (IQ series)**
- **Integrated IF-preamplifiers available (RP series)**



STANDARD IMAGE REJECTION MIXER REFERENCE CHART

MODEL NUMBER ¹	RF FREQUENCY ² (GHz)	CONVERSION LOSS ³ (dB) (Typ./Max)	LO POWER ⁴ (dBm)	IMAGE REJECTION ⁵ (dB, Min.)	LO-RF ISOLATION (dB, Typ.)	OUTLINE
IRM008010xyyy	0.8 – 1	6.5 / 7.5	+10 to +12	18	20	124747
IRM010020xyyy	1 – 2	6.5 / 7.5	+10 to +12	18	20	124747
IRM015020xyyy	1.5 – 2	6.5 / 7	+10 to +12	18	20	124747
IRM020040xyyy	2 – 4	7 / 7.5	+10 to +12	18	20	124747
IRM021023xyyy	2.1 – 2.3	7 / 7	+10 to +12	18	20	124747
IRM023025xyyy	2.3 – 2.5	7 / 7	+10 to +12	18	20	124747
IRM037042xyyy	3.7 – 4.2	7 / 7	+10 to +12	18	20	124747
IRM040060xyyy	4 – 6	7 / 7.5	+10 to +12	18	20	124747
IRM054059xyyy	5.4 – 5.9	7 / 7	+10 to +12	20	20	124747
IRM055080xyyy	5.5 – 8	7 / 8	+10 to +12	18	20	124747
IRM085096xyyy	8.5 – 9.6	7 / 8	+10 to +12	20	20	112373
IRM095105xyyy	9.5 – 10.5	8 / 8	+10 to +12	20	20	112373
IRM100120xyyy	10 – 12	8 / 8.5	+10 to +12	18	20	112373
IRM120150xyyy	12 – 15	8 / 8.5	+10 to +12	18	20	112373
IRM150180xyyy	15 – 18	8 / 8.5	+10 to +12	18	20	112373
IRM160190xyyy	16 – 19	8 / 9	+10 to +12	18	20	112373

Notes:

1. For x suffix, see sideband code table.
2. Narrow bands below 0.8 GHz are available. Please contact factory.
3. Standard models are supplied with octave bandwidth IF frequency ranges centered at yyy MHz. See IF frequency code table. Parameters stated are measured at IF band center. Octave and multioctave options available.
4. Standard LO drive level is +10 to +12 dBm. Optional drive levels are available. See LO drive code table.

For additional information and technical support, please contact **Bill Roehrich** at
Tel.: (516) 439-9273 • Fax: (516) 436-7430 • E-Mail: broehrich@miteq.com
Low-Noise Front Ends and Subsystems Web Page: www.miteq.com/d32