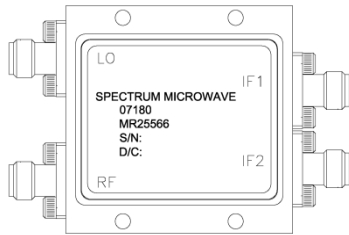


SPECIFICATION BULLETIN MR25566 QUADRATURE IF MODULATOR / DEMODULATOR
RF/LO: 13.3 to 13.4 GHz IF: DC to 5 MHz

Standard Product Features



- Field Replaceable SMA Connectors
- Suitable for Stripline Integration
- Sideband Suppression: 25 dB, Typical
- VSWR 1.5:1 Typical

SPECIFICATIONS	TYPICAL	Min.	Max.
RF/LO Frequency Range	---	13.319 GHz	13.329 GHz
IF Frequency Range (1 dB Bandwidth)	---	DC	5 MHz
Conversion Loss	11 dB	---	13 dB
Sideband Suppression	25 dB	20dB	---
Quadrature Phase Balance	$\pm 5^\circ$	---	$\pm 10^\circ$
Amplitude Balance	$\pm .5$ dB	---	± 1.0 dB
DC Offset	± 4 mV	---	± 10 mV
LO Drive Level	17 dBm	16 dBm	18 dBm
Isolation, LO to RF	30 dB	20 dB	---
LO to IF	22 dB	15 dB	---
VSWR, RF	2.2:1	---	2.5:1
LO	1.4:1	---	2.0:1
IF	1.4:1	---	2.0:1
Input (RF) Compression Point	9 dBm	5 dBm	---
Operating Temperature Range (°C)	---	-40	+85
Storage Temperature Range (°C)	---	-65	+125

OUTLINE DRAWING

