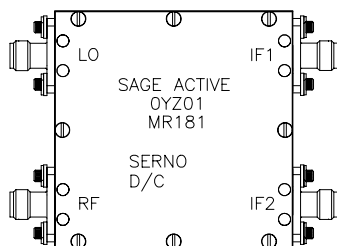




SPECIFICATION BULLETIN

MR181 MIXER (SSBM) RF/LO: 6 to 18 GHz IF: 40 to 80 MHz



Standard Product Features

- Broadband RF Coverage
- Field Replaceable SMA Connectors
- Suitable for Stripline Integration
- Sideband Rejection 30 dB typ
- Carrier Suppression 28 dB typ
- VSWR 1.8:1 Typical

	TYPICAL	Min.	Max.
RF/LO Frequency Range	----	6 GHz	18 GHz
IF Modulation Frequency Range	----	40	80 MHz
Conversion Loss	8 dB	----	10 dB
Sideband Suppression (See note)	25 dB	17 dB	----
Carrier Suppression	28 dB	17 dB	----
IF Drive Level	11 dBm	10 dBm	12 dBm
VSWR, RF	2.4:1	---	2.8:1
LO	1.6:1	---	2.0:1
IM Suppression ± 2 IF	28 dBc	25 dBc	
IM Suppression ± 3 IF	14 dBc	11 dBc	---
Input 1 dB Compression (Input)	4 dBm	3 dBm	---
Input Two-Tone Third Order IP (IP3)	13 dBm	10 dBm	---
Operating Temperature Range	---	-40°C	+105°C
Storage Temperature Range	---	-65°C	+125°C

Note: RF Output > Carrier with Modulation Signal applied to IF1.
RF Output < Carrier with Modulation Signal applied to IF2.

OUTLINE DRAWING

