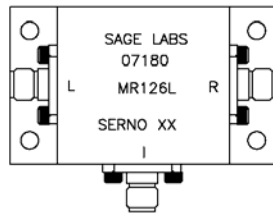




SPECIFICATION BULLETIN

MR126L DOUBLE BALANCED MIXER RF/LO: 1 to 18 GHz IF: DC to 500 MHz



Standard Product Features:

- Direct Replacement for RHG DM1-18A
- Broadband Performance 1 to 18 GHz
- 6.0 dB Typical Conversion Loss
- LO Drive Range 7 to 11 dBm
- High Isolation 40 dB LO - RF
- Field Replaceable Connectors
- Can be used as a Phase Detector

Specifications	Typical	Min.	Max.
RF/LO Frequency Range	----	1.0 GHz	18.0 GHz
IF Frequency Range (3 dB Bandwidth)	----	DC	500 MHz
Conversion Loss	6.0 dB	----	9.5 dB
LO Drive Level	9.0 dBm	7.0 dBm	11.0 dBm
Isolation, LO to RF	40.0 dB	22 dB	---
LO to IF	35.0 dB	18 dB	---
VSWR, RF	2.2:1	---	---
LO	1.6:1	---	---
Input 1 dB Compression	4.0 dBm	2.0 dBm	---
Input Two-Tone Third Order IP (IP3)	15 dBm	10 dBm	---
Operating Temperature Range	---	-54 C	+95 C
Storage Temperature Range	---	-65 C	+125 C

LO Drive Ranges to 22 dBm are available. Consult factory for assistance on your requirements.

OUTLINE DRAWING

