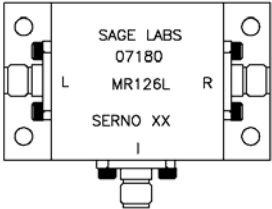




SPECIFICATION BULLETIN **MR126L DOUBLE BALANCED MIXER**
RF/LO: 1 to 18 GHz IF: DC to 500 MHz

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

