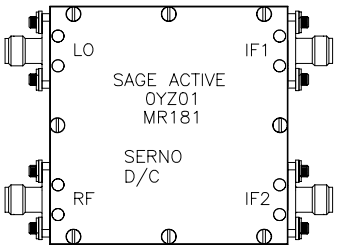
SPECIFICATION BULLETIN	MR181-1 IMAGE REJECT MIXER RF/LO: 6 to 18 GHz IF: 20 to 200 MHz



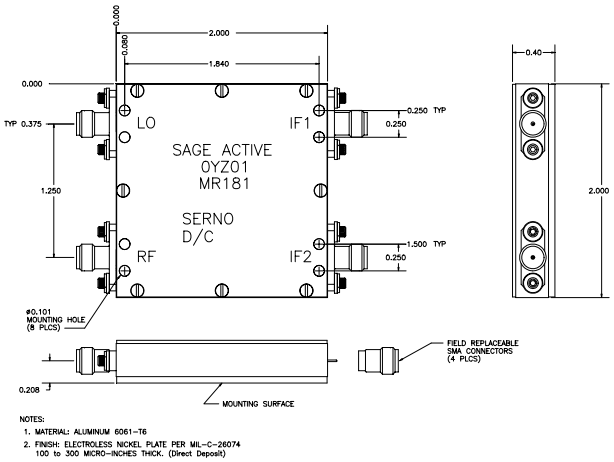
Standard Product Features

- Broadband RF Coverage
- Low Conversion Loss (6.5 dB typ)
- Field Replaceable SMA Connectors
- Suitable for Stripline Integration
- Triple Balanced Design
- Image Rejection 35 dB (typical)
- Environmentally Sealed Package

Specifications	Typical	Min.	Max.
RF/LO Frequency Range	-----	6 GHz	18 GHz
IF Frequency Range (Octave Bands)	-----	20	200MHz
Conversion Loss	6.5 dB	----	9.5 dB
Image Rejection (Note 1)	35 dB	16 dB	----
LO Drive Level	---	+ 9 dBm	+ 13 dBm
VSWR, RF	1.5:1	---	2.4:1
LO	1.8:1	---	2.8:1
IF	1.2:1		2.2:1
Isolation LO to RF	30 dB	18 dB	
Isolation LO to IF	25 dB	15 dB	---
Input 1 dB Compression (Note 2)	+ 5 dBm	+ 2 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

Note 1: Image at IF1 with LO > RF. Image at IF2 with LO< RF.
Note 2: LO power level = + 9 dBm.

OUTLINE DRAWING



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