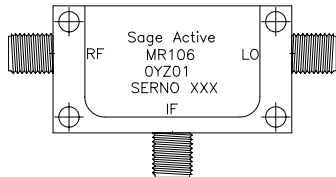




**SPECIFICATION  
BULLETIN**

**MR106H Triple Balanced Mixer  
RF/LO: 2.0 – 18.0 GHz IF:10 – 5000 MHz**



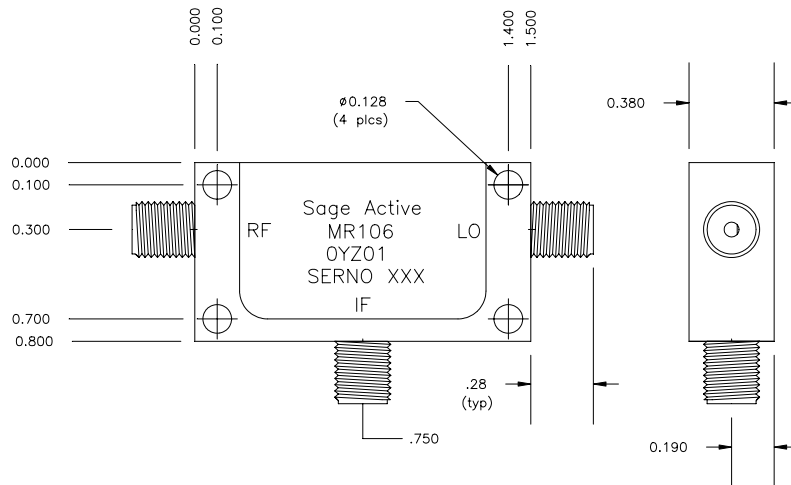
**Standard Product Features:**

- Broadband Performance
- 6.0 dB Typical Conversion Loss
- 30 dB Typical Isolation
- Broadband IF Coverage
- Low Cost
- Versatile Package

SPECIFICATIONS	TYPICAL	Min.	Max.
RF/LO Frequency Range (GHz)	-----	2	18
IF Frequency Range (3dB Bandwidth) (MHz)	-----	10	5000
Conversion Loss (dB)	6.0	-----	9.5
VSWR, RF Port	2.2:1	---	-----
LO Port	1.8:1	---	-----
Isolation, LO to RF (dB)	30	20	---
LO to IF (dB)	25	20	-----
LO Drive Range (dBm)	19	17	22
Input 1 dB Compression Point (dBm)	+9	+6	-----
Input Two-Tone Third Order IP (IP3) (dBm)	+19	+14	-----
Operating Temperature Range (Degrees C)	-----	-54	+95
Storage Temperature (Degrees C)	-----	-65	+125

Note : Custom Designs also available. Consult factory for assistance on your specific requirements.

**OUTLINE DRAWING:**



**Sage Laboratories, Inc.**

**8 Executive Drive • Hudson, NH 03051 • Phone: 603-459-1600 • Fax: 603-459-1605**

**WEB SITE: [www.sagelabs.com](http://www.sagelabs.com)**