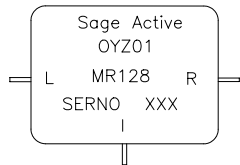




**SPECIFICATION BULLETIN MR128 HIGH DYNAMIC RANGE MIXER**  
**RF/LO: 4.0-18.0 GHz IF: 10 TO 3000 MHz**



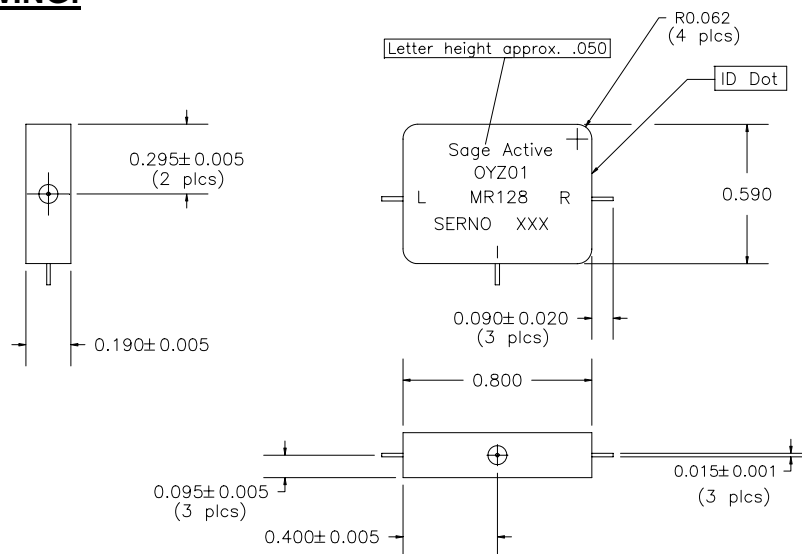
**Standard Product Features:**

- +28 dBm Intercept Point
- Triple Balanced Design
- Broad Band Performance
- 5.5 dB Typical Conversion Loss
- 30 dB Typical Isolation (LO-RF)
- Broad Band IF Coverage
- Low Cost

SPECIFICATIONS	TYPICAL	Min.	Max.
RF Frequency Range (GHz) RF/LO	-----	4.0	18.0
IF Frequency Range (MHz)	-----	10	3000
Conversion Loss (dB)	5.5	----	9.0
VSWR, R Port	2.2:1	----	----
VSWR, L Port	1.6:1	----	----
Isolation, L-R (dB)	30	20	----
Isolation, L-I (dB)	25	20	----
Lo Drive Level (dBm)	----	+20	+22
Input 1 dB Compression (dBm)	+15	+12	----
Input IP3 (dBm)	+28	+22	----
Operating Temperature (degrees C)	----	-54	+95
Storage Temperature (degrees C)	----	-65	+125

Custom designs also available. Consult factory for assistance on your specific requirements.

**OUTLINE DRAWING:**



**Sage Laboratories, Inc.**

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