

**FEATURES :**

- **Wide Bandwidth**
- **Low Conversion Loss**
- **High Image Rejection**

**SPECIFICATIONS**

|                                 |           |
|---------------------------------|-----------|
| RF Frequency Range, [MHz]       | 190-610   |
| LO Frequency, [MHz]             | 300-500   |
| IF Frequency Range, [MHz]       | 10-110    |
| Conversion Loss, typ / max [dB] | 6.0 / 6.5 |
| Image Rejection, typ / min [dB] | 35 / 30   |
| VSWR RF port, max               | 1.5 : 1   |
| LO port, max                    | 1.3 : 1   |
| IF Port, max                    | 1.3 : 1   |
| Isolation LO - RF, min [dB]     | 45        |
| LO - IF, min [dB]               | 40        |
| RF - IF, min [dB]               | 30        |
| LO Power typ. [dBm]             | 13±1      |
| Input 1dB C.P. typ [dBm]        | +8        |
| Input IP <sup>3</sup> typ [dBm] | +18       |

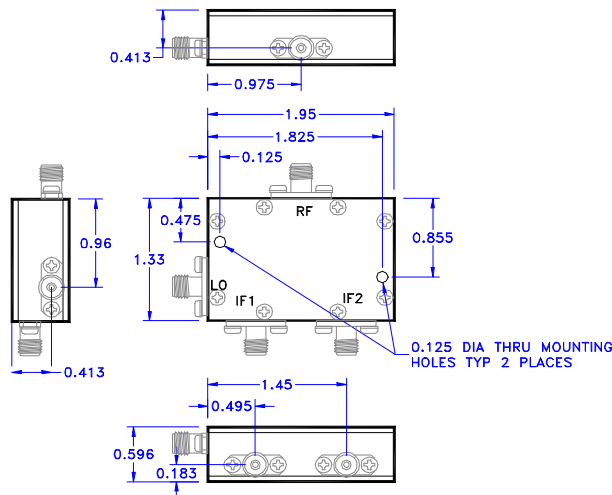
**Operating Characteristics**

|                               |                |
|-------------------------------|----------------|
| Maximum RF Input Power, [dBm] | 20             |
| Maximum LO Power, [dBm]       | 23             |
| Impedance, [Ohm]              | 50             |
| Operating Temperature         | -20°C to +70°C |

**Ordering Information**

| Model No.  | Connectors  | Package |
|------------|-------------|---------|
| IRM300-500 | SMA(female) | M1      |

**Outline drawing M1** dimensions in inches



Specifications Subject To Change Without Notice

Rev. A 12.12.2022

**Typical Performance**

