

SMA Mixer From 2 GHz to 18 GHz With an IF Range From DC to 2 GHz And LO Power of +10 dBm

Electrical Specifications

| Description | Min | Typ | Max | Units |
|--------------------|-----|-----|-----|-------|
| RF Frequency Range | 2 | | 18 | GHz |
| LO Frequency Range | 2 | | 18 | GHz |
| IF Frequency Range | DC | | 2 | GHz |
| Impedance | | 50 | | Ohms |
| Conversion Loss | | | 11 | dB |
| LO to RF Isolation | 20 | | | dB |
| LO to IF Isolation | 20 | | | dB |
| Input at P1dB | | +4 | | dBm |
| LO Input Power | | +10 | | dBm |



Mechanical Specifications

Size

| | |
|--------|--------------------|
| Length | 0.96 in [24.38 mm] |
| Height | 0.66 in [16.76 mm] |
| Weight | 0.03307 lbs [15 g] |

Configuration

| | |
|--------------|------------|
| RF Connector | SMA Female |
| LO Connector | SMA Female |
| IF Connector | SMA Female |

Environmental Specifications

Compliance Certifications (visit www.FairviewMicrowave.com for current document)

| | |
|-----------------|------------|
| RoHS Compliant | Yes |
| REACH Compliant | 12/17/2015 |

Plotted and Other Data

Notes:

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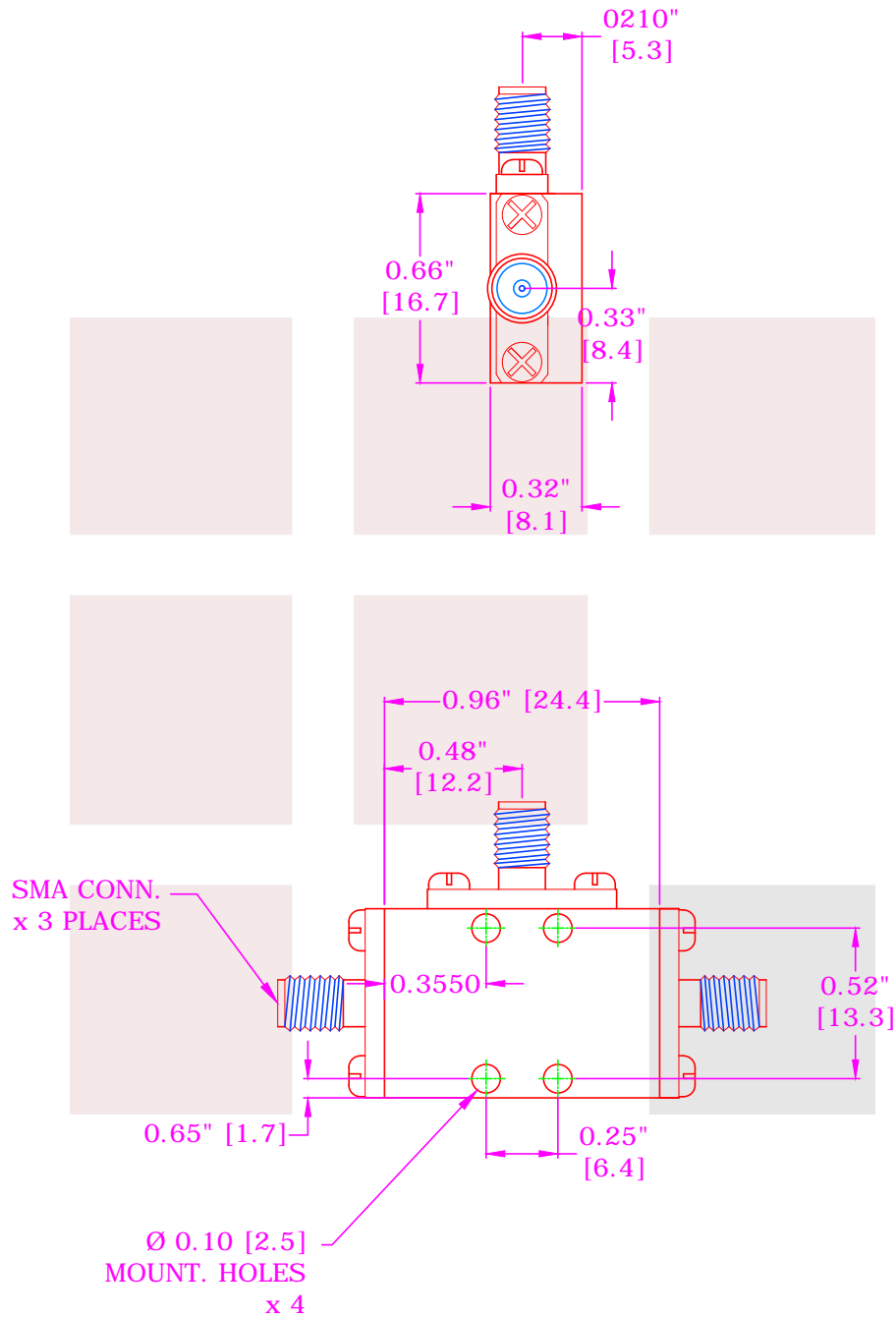
SMA Mixer From 2 GHz to 18 GHz With an IF Range From DC to 2 GHz And LO Power of +10 dBm from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Mixer From 2 GHz to 18 GHz With an IF Range From DC to 2 GHz And LO Power of +10 dBm SFM2018](#)

URL: <http://www.fairviewmicrowave.com/sma-mixer-2-18-ghz-10-dbm-sfm2018-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.





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NOTES:
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
 3. DIMENSIONS ARE IN INCHES [mm].

| | | |
|--|---------|-----------|
| TITLE | DWG NO | CAGE CODE |
| SMA Mixer From 2 GHz to 18 GHz With an IF Range From DC to 2 GHz And LO Power of +10 dBm | SFM2018 | 3FKR5 |
| CAD FILE | SHEET | SCALE |
| 050216 | | N/A |
| SIZE | 5568 | |
| A | | |

| | | | | | | | |
|----------|--------|-------|-------|-----|------|---|------|
| CAD FILE | 050216 | SHEET | SCALE | N/A | SIZE | A | 5568 |
|----------|--------|-------|-------|-----|------|---|------|