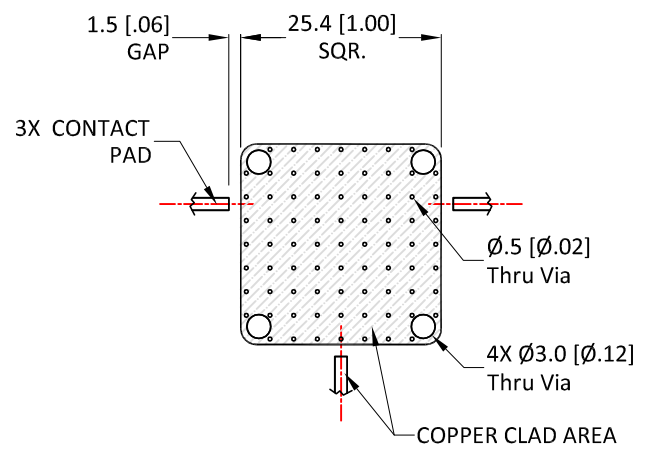
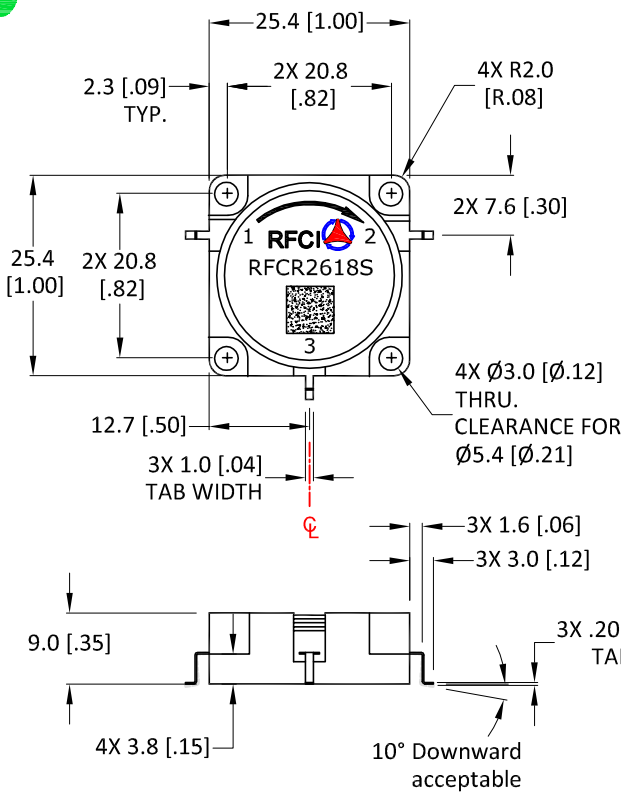


THIS DRAWING HAS BEEN GENERATED BY A CAD SYSTEM. CHANGES SHALL ONLY BE INCORPORATED AS DIRECTED BY THE DESIGN ACTIVITY. DO NOT REVISE MANUALLY.

| REVISIONS |                 |      |          |          |
|-----------|-----------------|------|----------|----------|
| REV.      | DESCRIPTION     | ECO  | DATE     | APPROVED |
| A         | INITIAL RELEASE | I.R. | 08/05/15 | P.T      |



**Recommended Footprint**

The Land Pattern should be with good thermal conductivity

**Finish:**  
 Housing: Nickel plated  
 Tabs: Silver plated  
 Coplanarity specification: 0.10 [0.004] MAX.

**Specifications**

| Parameter                                      | Minimum | Typical | Maximum |
|--|---------|---------|---------|
| Frequency Range (MHz)                          | 1880    |         | 1930    |
| Insertion Loss (dB)                            |         | < .22   | .30     |
| Isolation (dB)                                 | 20      | > 23    |         |
| Return Loss (dB)                               | 20      | > 23    |         |
| FWD IMD: 2T at 37W per T<br>5MHz Spacing (dBc) |         | 75      |         |

**Power & Temperature Ratings**

| Parameter             | Maximum       |
|-----------------------|---------------|
| Forward PWR Peak/AVG  | 500/100 Watts |
| Reverse Power CW      | 100 Watts     |
| Operating Temperature | -40 to +85° C |
| Storage Temperature   | -40 to +95° C |

**Notes:**  
 1. Typical Values Represent Performance @ +23 °C.  
 2. S-Parameters to be measured by connecting Port 1 and 2 to VNA, and Port 3 to Load with return loss 30dB or higher

**CW GW SMD CIRCULATOR MODEL: RFCR2618S**

|  |  |                              |
|--|--|------------------------------|
| UNLESS OTHERWISE SPECIFIED<br>ALL DIMENSIONS ARE IN MILLIMETERS (INCHES):<br><br>TOLERANCES ARE:<br>1 PLACE DECIMAL ±.2 [±.01]<br>2 PLACE DECIMAL ±.10 [±.004]<br><br>REMOVE ALL BURRS AND BREAK SHARP EDGES.<br>SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1<br>DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5   | THIRD ANGLE PROJECTION<br>   |                              |
|  | APPROVALS<br>DATE  |                              |
| PROPRIETARY NOTE: "THE INFORMATION CONTAINED ON THIS DOCUMENT IS CONSIDERED TO BE CONFIDENTIAL MATERIAL PROPRIETARY TO RF CIRCULATOR ISOLATOR Inc. (RFCI) AND IS PROVIDED SOLELY FOR INFORMATION PURPOSES. THIS INFORMATION SHALL NOT BE USED BY ANYONE OTHER THAN RFCI TO DESIGN OR CONSTRUCT ANY OF THE ITEMS DEPICTED, NOR SHALL IT BE DISCLOSED, DUPLICATED, OR COPIED FOR ANY PURPOSE, NOR MADE AVAILABLE TO ANY THIRD PARTY WITHOUT THE PRIOR WRITTEN CONSENT OF A RFCI OFFICIAL." | DRAWN BY:<br>CHECKED BY:<br>DESIGN BY:<br>ENGINEER BY:<br>MFG. ENGR.<br>Q.A.<br>PROG. MGMT/MKT | SIZE<br><b>A</b>             |
| DO NOT SCALE DRAWING   | SCALE: FULL  | DWG NO.<br><b>CR2618S-OS</b> |
|  |  | REV.<br><b>A</b>             |
|  |  | SHEET 1 OF 1                 |