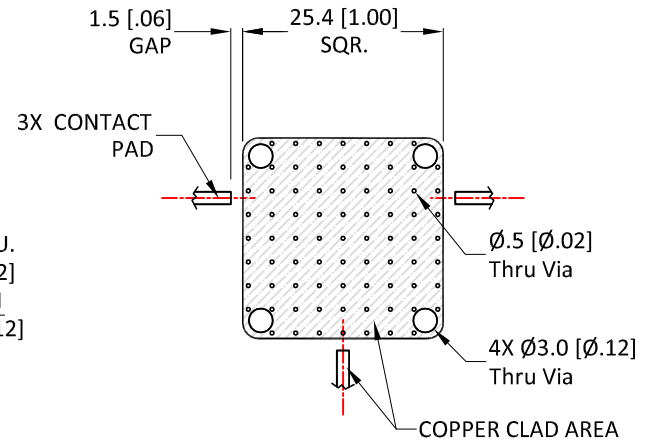
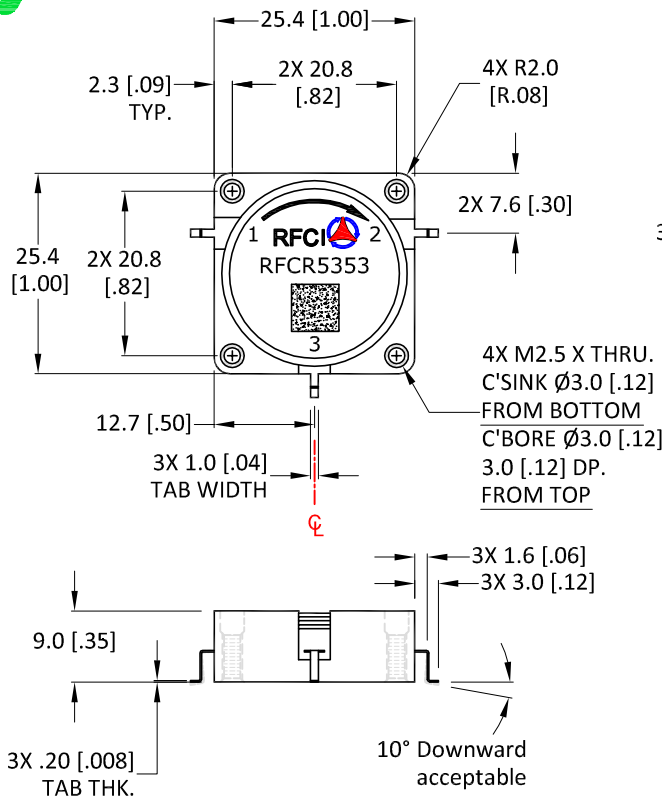


THIS DRAWING HAS BEEN GENERATED BY A CAD SYSTEM. CHANGES SHALL ONLY BE INCORPORATED AS DIRECTED BY THE DESIGN ACTIVITY. DO NOT REVISE MANUALLY.

## REVISIONS

| REV. | DESCRIPTION     | ECO | DATE     | APPROVED |
|------|-----------------|-----|----------|----------|
| A    | INITIAL RELEASE | I.R | 08/01/15 | 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)                          | 902     |         | 928     |
| 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: RFCR5353

UNLESS OTHERWISE SPECIFIED  
ALL DIMENSIONS ARE IN MILLIMETERS [INCHES]:

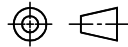
TOLERANCES ARE:  
1 PLACE DECIMAL ±.2 [±.01]  
2 PLACE DECIMAL ±.10 [±.004]  
ANGULAR: ±1.0°  
SURFACE ROUGHNESS 16/

REMOVE ALL BURRS AND BREAK SHARP EDGES.  
SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1  
DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5

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."

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION



APPROVALS

DATE

DRAWN BY:

CHECKED BY:

DESIGN BY:

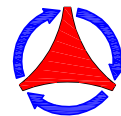
ENGINEER BY:

MFG. ENGR.

Q.A.

PROG. MGMT/MKT

# RFCI



TITLE

## OUTLINE/SPECS

SIZE  
A

CAGE NO.

DWG NO.

### CR5353-OS

REV.  
A

SCALE: FULL

SHEET 1 OF 1