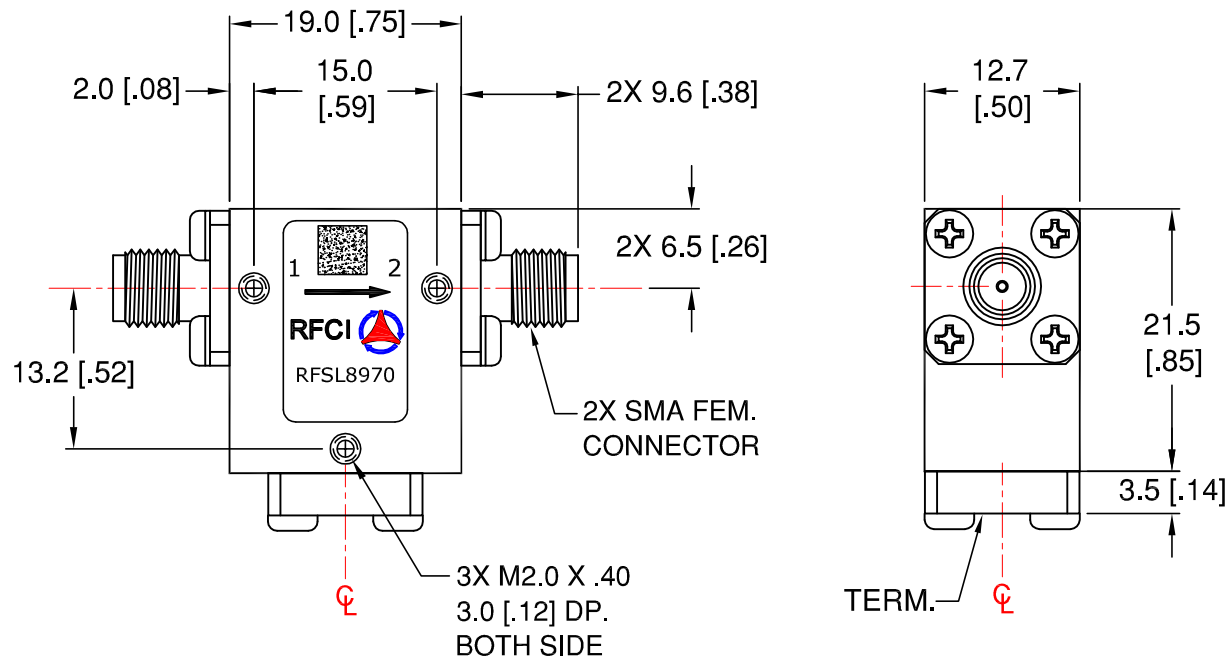


THIS DRAWING HAS BEEN GENERATED BY A CAD SYSTEM. CHANGES SHALL ONLY BE INCORPORATED AS DIRECTED BY THE DESIGN ACTIVITY. DO NOT REVISE MANUALLY.

## REVISIONS

| REV. | DESCRIPTION     | ECO  | DATE     | APPROVED |
|------|-----------------|------|----------|----------|
| A    | INITIAL RELEASE | I.R. | 01/04/16 | P.T      |



## Specifications

| Parameter             | Minimum | Typical | Maximum |
|-----------------------|---------|---------|---------|
| Frequency Range (MHz) | 5500    |         | 11000   |
| Insertion Loss (dB)   |         | < .50   | .60     |
| Isolation (dB)        | 17      | > 19    |         |
| Return Loss (dB)      | 17      | > 19    |         |

## Notes:

1. Typical Values Represent Mid-Band Performance @ +23 °C.
2. Isolator Flange held to +85°C; 30 Min. maximum Duration.

## Power &amp; Temperature Ratings

| Parameter                       | Maximum       |
|---------------------------------|---------------|
| Forward PWR Peak/AVG            | 250/25 Watts  |
| Reverse Power CW                | 10 Watts      |
| Termination Rating (See Note 2) | 10 Watts      |
| Operating Temperature           | -40 to +85° C |
| Storage Temperature             | -40 to +95° C |

## CW SMAf ISOLATOR MODEL RFSL8970

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

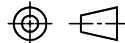
TOLERANCES ARE:  
1 PLACE DECIMAL ±.2 [±.01] ANGULAR: ±1.0°  
2 PLACE DECIMAL ±.10 [±.004] SURFACE ROUGHNESS 16/

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:

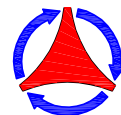
ENGINEER BY:

MFG. ENGR.

Q.A.

PROG. MGMT/MKT

RFCI



TITLE

OUTLINE/SPECS

SIZE

A

CAGE NO.

DWG NO.

SL8970-OS

REV.

A

SCALE: FULL

SHEET 1 OF 1