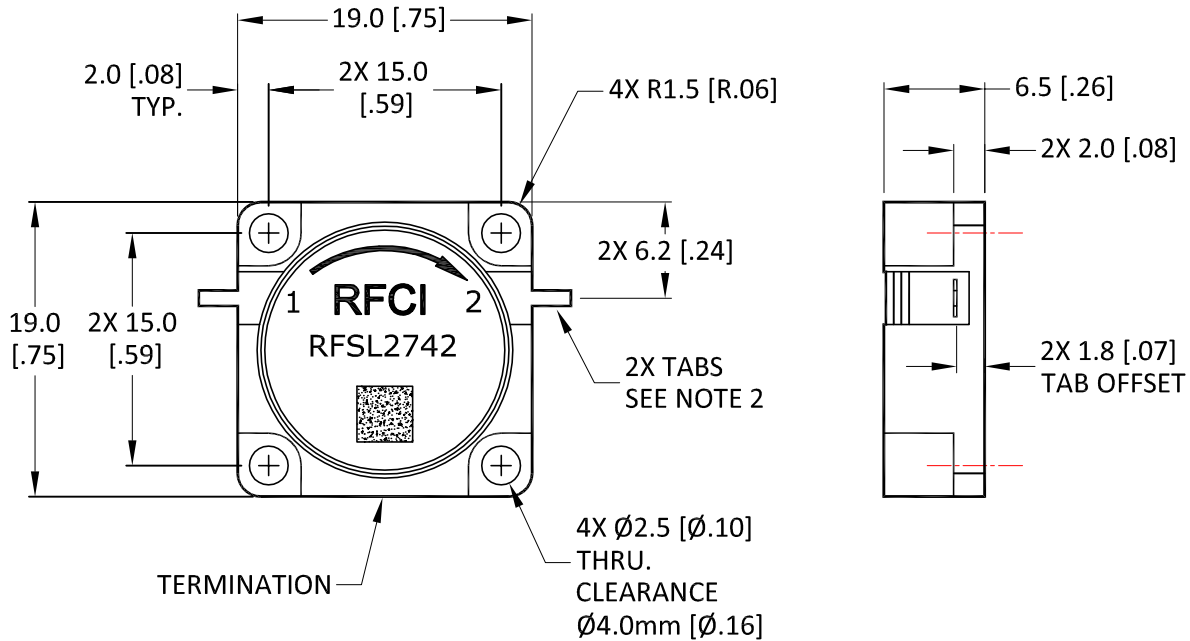


THIS DRAWING HAS BEEN GENERATED BY A CAD SYSTEM. CHANGES SHALL ONLY BE INCORPORATED AS DIRECTED BY THE DESIGN ACTIVITY. DO NOT REVISE MANUALLY.



## REVISIONS

| REV. | DESCRIPTION     | ECO  | DATE     | APPROVED |
|------|-----------------|------|----------|----------|
| A    | INITIAL RELEASE | I.R. | 04/13/15 | P.T      |



## Specifications

| Parameter                                      | Minimum | Typical | Maximum |
|------------------------------------------------|---------|---------|---------|
| Frequency Range (MHz)                          | 2130    |         | 2280    |
| Insertion Loss (dB)                            |         | < .20   | .30     |
| Isolation (dB)                                 | 22      | > 25    |         |
| Return Loss (dB)                               | 22      | > 25    |         |
| FWD IMD: 2T at 37W per T<br>5MHz Spacing (dBc) |         | 70      |         |

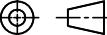
## Power & Temperature Ratings

| Parameter                       | Maximum        |
|---------------------------------|----------------|
| Forward PWR Peak/AVG            | 1000/100 Watts |
| Reverse Power CW                | 20 Watts       |
| Termination Rating (See Note 3) | 20 Watts       |
| Operating Temperature           | -40 to +85° C  |
| Storage Temperature             | -40 to +95° C  |

Notes:

1. Typical Values Represent Performance @ +23 °C.
2. Tab Dimensions: 1.00 [.040]W x 3.0[.12]L x 0.20[.008]T
3. Isolator Flange held to +85°C; 30 Minute Maximum Duration

CW ISOLATOR MODEL: RFSL2742

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                  |  |                                                                                                                  |             |          |           |              |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------|-------------|----------|-----------|--------------|--|
| <div>UNLESS OTHERWISE SPECIFIED</div> <div>ALL DIMENSIONS ARE IN MILLIMETERS [INCHES]:</div> <div>TOLERANCES ARE:</div> <div>1 PLACE DECIMAL ±.2 [±.01]</div> <div>2 PLACE DECIMAL ±.10 [±.004]</div> <div>ANGULAR: ±1.0°</div> <div>SURFACE ROUGHNESS 16/</div> <div>REMOVE ALL BURRS AND BREAK SHARP EDGES.</div> <div>SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1</div> <div>DIMENSIONING &amp; TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5</div> <div>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.</div> <div>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."</div> <div>DO NOT SCALE DRAWING</div> | <div>THIRD ANGLE PROJECTION</div> <div></div> |  | <div>RFCI</div> <div></div> |             |          |           |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | APPROVALS                                                                                                                        |  | DATE                                                                                                             |             | TITLE    |           |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DRAWN BY:                                                                                                                        |  |                                                                                                                  |             |          |           |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CHECKED BY:                                                                                                                      |  |                                                                                                                  |             |          |           |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DESIGN BY:                                                                                                                       |  |                                                                                                                  |             |          |           |              |  |
| ENGINEER BY:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                  |  |                                                                                                                  | SIZE        | CAGE NO. | DWG NO.   | REV.         |  |
| MFG. ENGR.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                  |  |                                                                                                                  |             |          |           |              |  |
| Q.A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                  |  |                                                                                                                  |             |          |           |              |  |
| PROG. MGMT/MKT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                  |  |                                                                                                                  | A           |          | SL2742-OS | A            |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                  |  |                                                                                                                  | SCALE: FULL |          |           | SHEET 1 OF 1 |  |