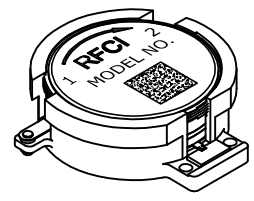
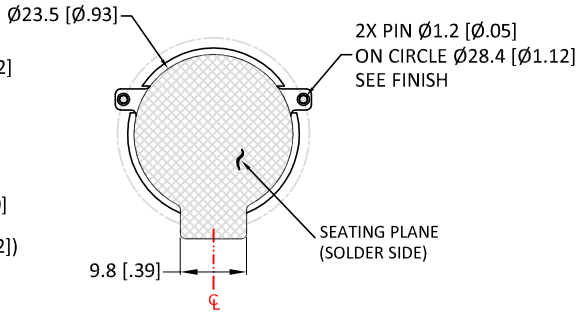
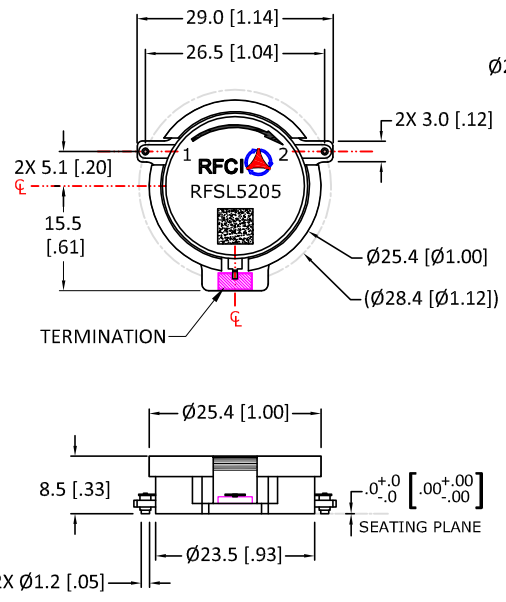


THIS DRAWING HAS BEEN GENERATED BY A CAD SYSTEM. CHANGES SHALL ONLY BE INCORPORATED AS DIRECTED BY THE DESIGN ACTIVITY. DO NOT REVISE MANUALLY.

| REVISIONS |                    |        |                 |
|-----------|--------------------|--------|-----------------|
| REV.      | DESCRIPTION        | ECO    | DATE            |
| B         | ADD ISOMETRIC VIEW | 18-010 | 11/14/18        |
|           |                    |        | APPROVED<br>P.T |



**Terminal:**  
Port (1): Input  
Port (2): Output

**Finish:**  
1. Housing: Silver plated  
2. Pin: Gold plated  
3. Coplanarity specification: 0.10 [0.004] MAX.

### Specifications

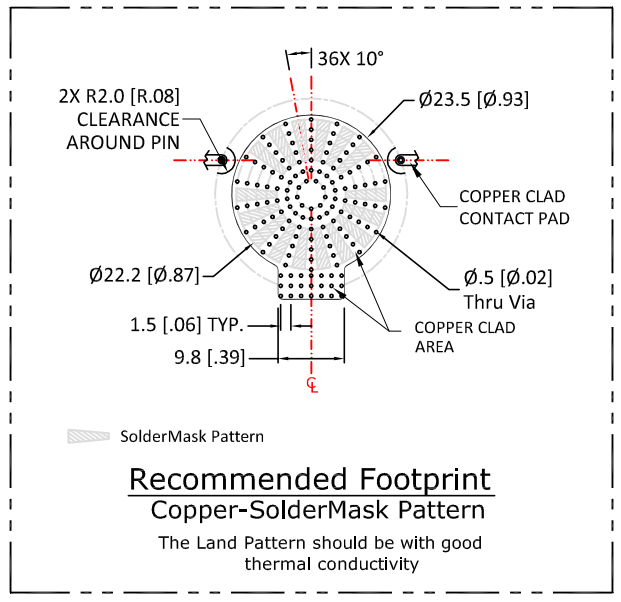
| Parameter                                      | Minimum | Typical | Maximum |
|--|---------|---------|---------|
| Frequency Range (MHz)                          | 860     |         | 890     |
| Insertion Loss: 1 to 2 (dB)                    |         | < .25   | .30     |
| Isolation: 2 to 1(dB)                          | 20      | > 23    |         |
| Return Loss: 1, 2 (dB)                         | 20      | > 23    |         |
| FWD IMD: 2T at 37W per T<br>5MHz Spacing (dBc) |         | 75      |         |

- Notes:**
- Typical Values Represent Performance @ +23 °C.
  - Isolator Flange held to +85°C; 30 Min. maximum Duration.

### Power & Temperature Ratings

| Parameter                       | Maximum        |
|---------------------------------|----------------|
| Forward PWR Peak/AVG            | 500/100 Watts  |
| Reverse Power CW                | 20 Watts       |
| Termination Rating (See Note 2) | 20 Watts       |
| Operating Temperature           | -40 to +85° C  |
| Storage Temperature             | -50 to +125° C |

Permanent damage to the Device or reduce reliability if exceeding any of the limits.  
Port (1) and (2): DC connected and floating with the 50 ohm resistance of the internal load as the only ground connection.



### CW SMD ISOLATOR MODEL: RFSL5205

UNLESS OTHERWISE SPECIFIED  
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES):

TOLERANCES ARE:  
1 PLACE DECIMAL ±.2 [±0.1] ANGULAR: ±1.0°  
2 PLACE DECIMAL ±.10 [±0.04] 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.  
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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

## OUTLINE/SPECS

|                  |          |                              |                  |
|------------------|----------|------------------------------|------------------|
| SIZE<br><b>A</b> | CAGE NO. | DWG. NO.<br><b>SL5205-OS</b> | REV.<br><b>B</b> |
| SCALE: FULL      |          | SHEET 1 OF 1                 |                  |