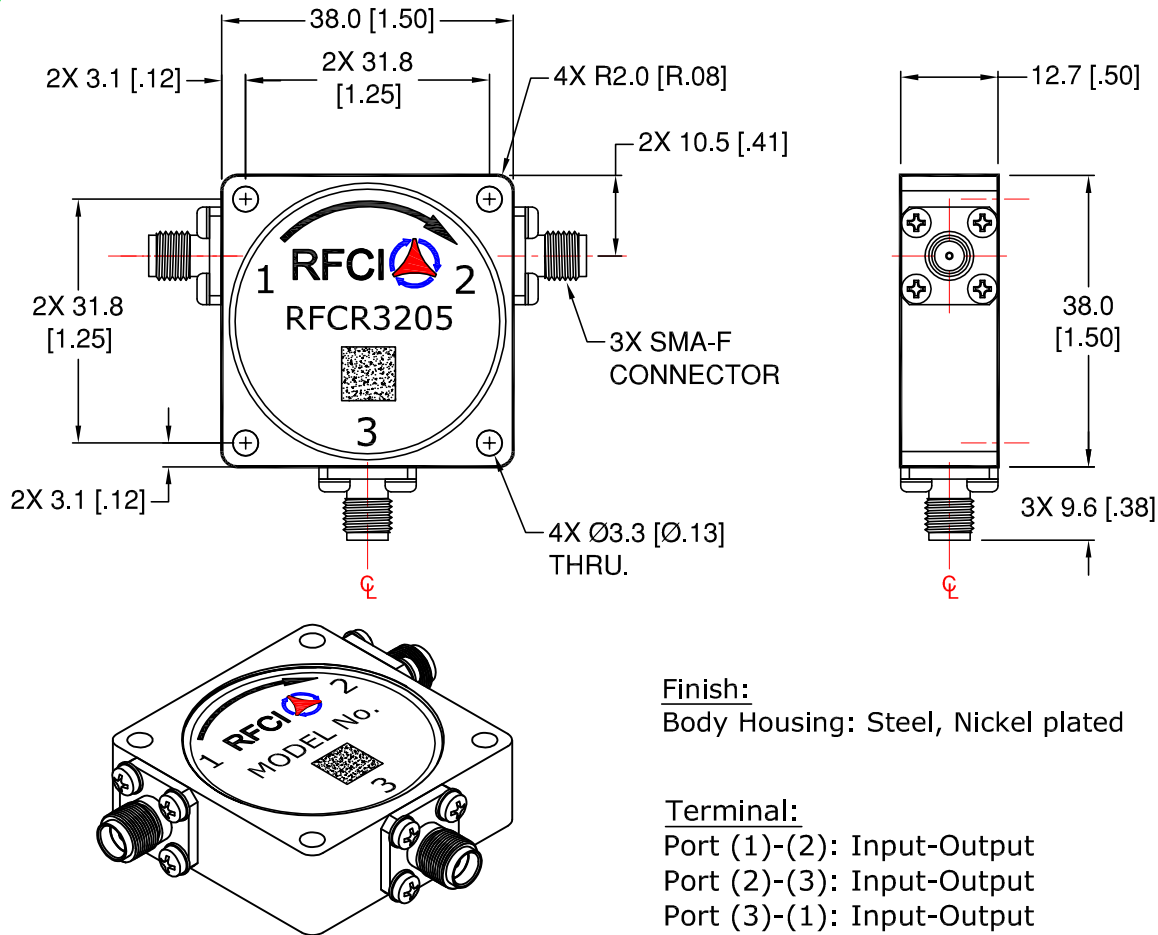


THIS DRAWING HAS BEEN GENERATED BY A CAD SYSTEM. CHANGES SHALL ONLY BE INCORPORATED AS DIRECTED BY THE DESIGN ACTIVITY. DO NOT REVISE MANUALLY.

REVISIONS

| REV. | DESCRIPTION | ECO | DATE | APPROVED |
|------|-------------|--------|----------|----------|
| B | ADD ISOVIEW | 20-003 | 03/30/20 | P.T |

Finish:

Body Housing: Steel, Nickel plated

Terminal:

Port (1)-(2): Input-Output

Port (2)-(3): Input-Output

Port (3)-(1): Input-Output

Specifications

| Parameter | Minimum | Typical | Maximum |
|-----------------------------|---------|---------|---------|
| Frequency Range (MHz) | 700 | | 1000 |
| Insertion Loss: In-Out (dB) | | < 0.50 | 0.60 |
| Isolation: Out-In (dB) | 16.5 | > 17 | |
| Return Loss (dB) | 16.5 | > 17 | |

Permanent damage to the Device or reduce reliability if exceeding any of the limits.

Port (1),(2)and (3): DC connected and floating as the only ground connection.

Power & Temperature Ratings

| Parameter | Maximum |
|------------------------------|---------------|
| Fwd PWR Peak/CW | 1K/200 Watts |
| Rev PWR Peak/CW (see note 2) | 1K/200 Watts |
| Operating Temperature | -20 to +85° C |
| Storage Temperature | -40 to +95° C |

Notes:

1. Typical Values Represent Performance @ +23 °C

2. Body Flange held to +85°C Max.

3. 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 CIRCULATOR MODEL: RFCR3205

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

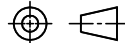
TOLERANCES ARE:
1 PLACE DECIMAL ±.2 [±.01] ANGULAR: ±1.0°
2 PLACE DECIMAL ±.10 [±.004] SURFACE ROUGHNESS 16/

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.
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DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION



APPROVALS

DATE

DRAWN BY:

CHECKED BY:

DESIGN BY:

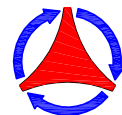
ENGINEER BY:

MFG. ENGR.

Q.A.

PROG. MGMT/MKT

RFCI



TITLE

OUTLINE/SPECS

SIZE

A

CAGE NO.

DWG NO.

CR3205-OS

REV.

B

SCALE: FULL

SHEET 1 OF 1