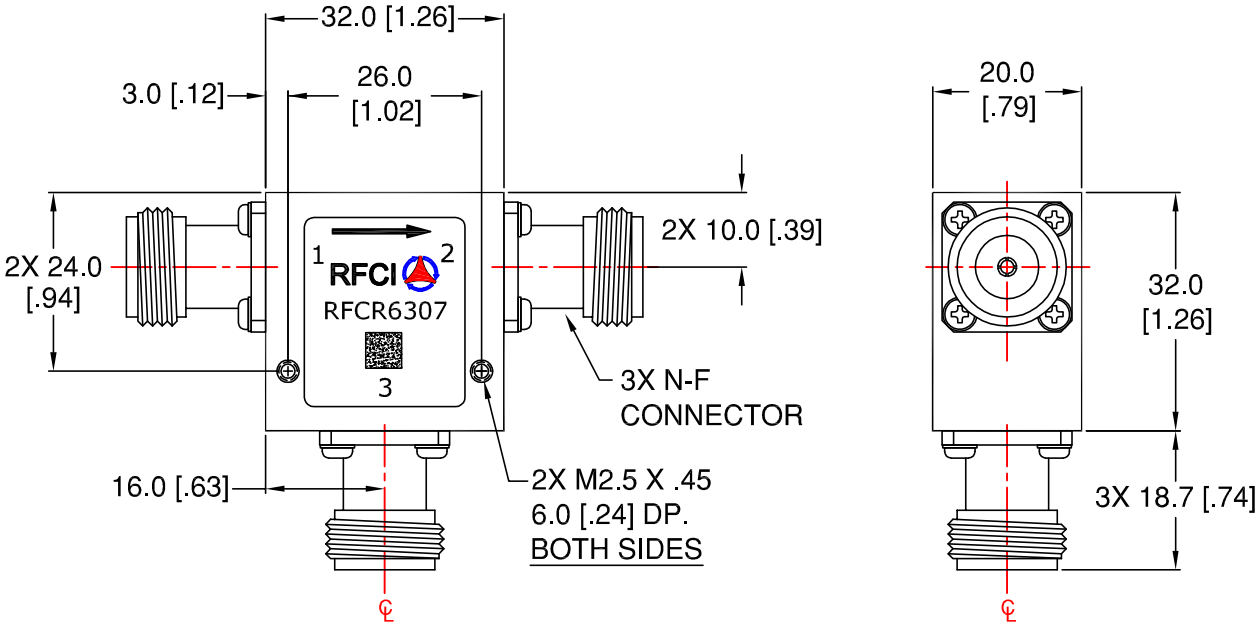
| DWG. NO. | SHT | REV |
|---|---|---|
| CR6307-OS | 1 | A |

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. | 12/15/15 | P.T |

RoHS 2002/95/EC




## Specifications

| Parameter | Minimum | Typical | Maximum |
|---|---|---|---|
| Frequency Range (MHz) | 1200 | | 1450 |
| Insertion Loss (dB) | | < .40 | .50 |
| Isolation (dB) | 20 | > 22 | |
| Return Loss (dB) | 20 | > 22 | |

## Power & Temperature Ratings

| Parameter | Maximum |
|---|---|
| Forward PWR Peak/AVG | 2.0K/200 Watts |
| Reverse Power CW | 200 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

# Nf CIRCULATOR MODEL: RFCR6307

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

OUTLINE/SPECS

| SIZE | CAGE NO. | DWG NO. | REV. |
|---|---|---|---|
| A | | CR6307-OS | A |

SCALE: FULL | SHEET 1 OF 1