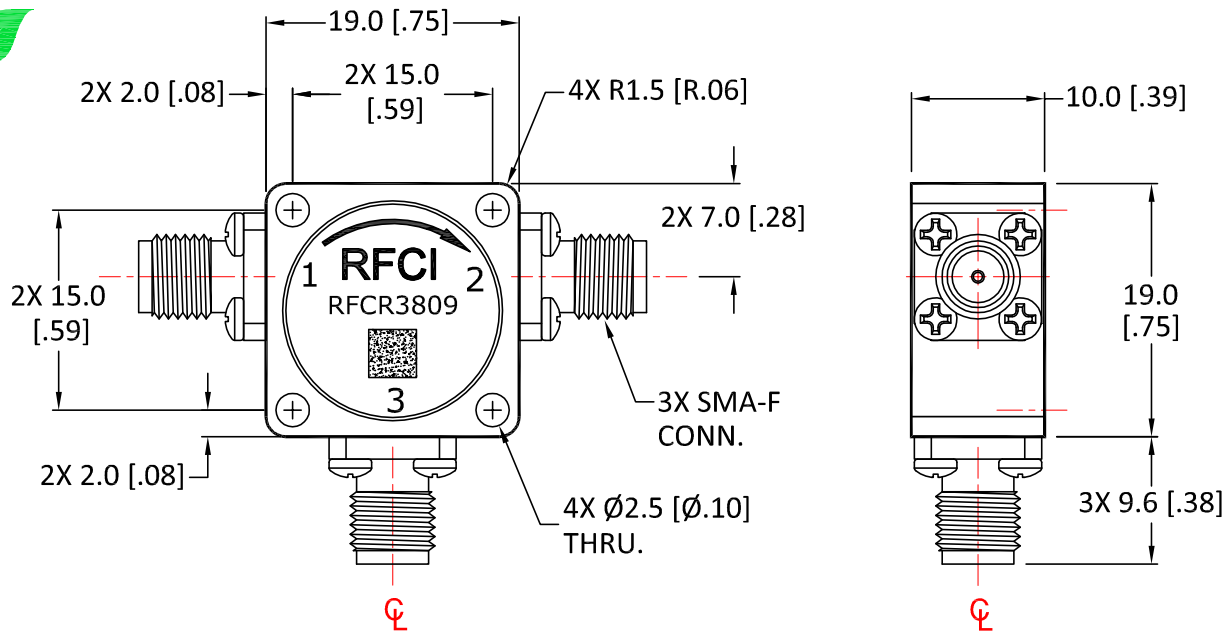


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REVISIONS

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)	2250		2650
Insertion Loss: In-Out (dB)		< 0.30	0.40
Isolation: Out-In (dB)	20	> 23	
Return Loss (dB)	20	> 23	

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
Forward PWR Peak/CW	1000/100 Watts
Rev PWR Peak/CW (see note 3)	1000/100 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
3. Body Circulator Flange held to +85°C Max.

SMA-F CIRCULATOR MODEL: RFCR3809

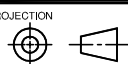
UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN MILLIMETERS [INCHES]:

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

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



APPROVALS

DATE

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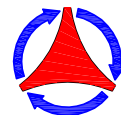
ENGINEER BY:

MFG. ENGR.

Q.A.

PROG. MGMT/MKT

RFCI



TITLE

OUTLINE/SPECS

SIZE
A

CAGE NO.

DWG NO.

CR3809-OS

REV.
B

SCALE: FULL

SHEET 1 OF 1