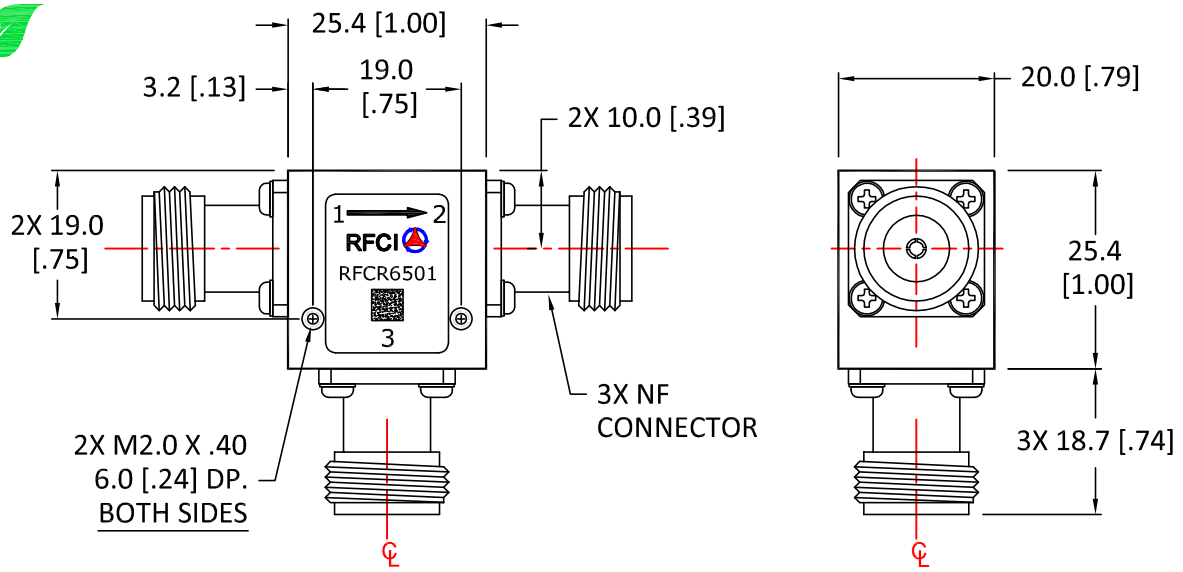
DWG. NO.	SHT	REV
CR6501-OS	1	B

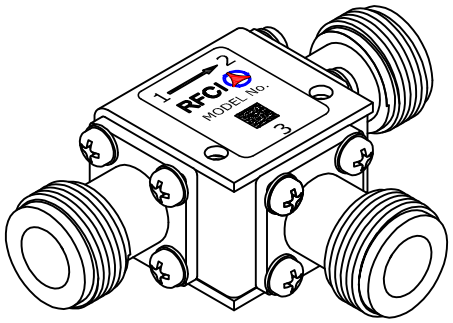
THIS DRAWING HAS BEEN GENERATED BY A CAD SYSTEM. CHANGES SHALL ONLY BE INCORPORATED AS DIRECTED BY THE DESIGN ACTIVITY. DO NOT REVISE MANUALLY.

REVISIONS

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

RoHS COMPLIANT





Finish:
Body Housing: 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)	1800		2200
Insertion Loss: In-Out (dB)		< 0.40	0.50
Isolation: Out-In (dB)	19	> 21	
Return Loss (dB)	19	> 21	

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 Power Peak/CW	2.0K/200 Watts
Rev Power Peak/CW (see note 2)	2.0K/200 Watts
Operating Temperature	-40 to +85° C
Storage Temperature	-40 to +95° C

Notes:
1. Typical Values Represent Performance @ +23 °C
2. Circulator 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

Nf CIRCULATOR MODEL: RFCR6501

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

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		CR6501-OS	B

SCALE: FULL | SHEET 1 OF 1