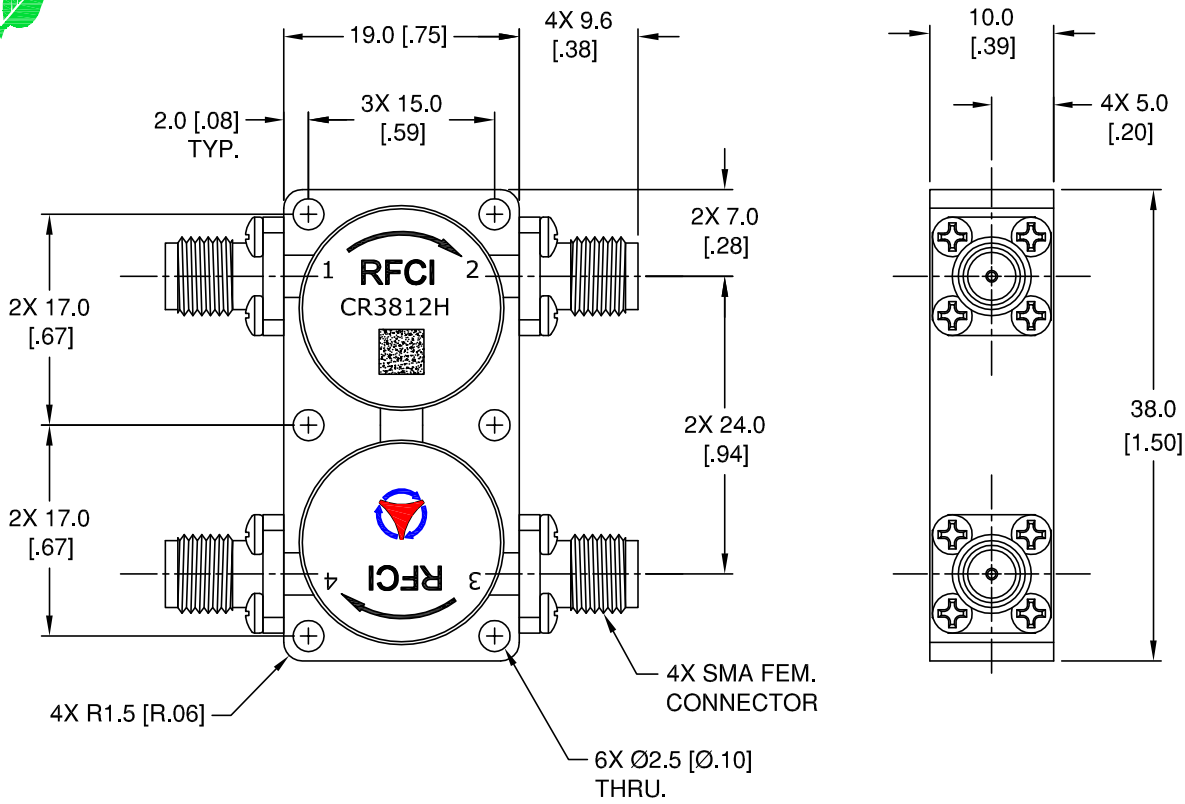


THIS DRAWING HAS BEEN GENERATED BY A CAD SYSTEM. CHANGES SHALL ONLY BE INCORPORATED AS DIRECTED BY THE DESIGN ACTIVITY. DO NOT REVISE MANUALLY.

REVISIONS			
REV.	DESCRIPTION	ECO	DATE
1	INITIAL RELEASE	I.R.	06/30/13



**Specifications**

**Power & Temperature Ratings**

Parameter	Minimum	Typical	Maximum
Frequency Range (MHz)	2700		3300
Insertion Loss (dB)		< .35	0.45
	P1-P2; P3-P4 P2-P3; P4-P1	< .60	0.80
Isolation (dB)		> 23	
	P2-P1; P4-P3	20	> 48
	P3-P2; P1-P4	42	
Return Loss (dB)	20	> 23	

Parameter	Maximum
Forward PWR Peak/AVG	1000/100 Watts
Reverse Power CW	100 Watts
Operating Temperature	-40 to +85° C
Storage Temperature	-40 to +95° C

Note: Typical Values Represent Mid-Band Performance @ +23 °C.

**CW SMAF DUAL CIRCULATOR MODEL: CR3812H**

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/	THIRD ANGLE PROJECTION 	
	APPROVALS _____ DATE _____ DRAWN BY: _____ CHECKED BY: _____ DESIGN BY: _____ ENGINEER BY: _____ MFG. ENGR. _____ Q.A. _____ PROG. MGMT/MKT _____	
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	SIZE <b>A</b> CAGE NO. _____ DWG. NO. <b>CR3812H-OS</b> REV. <b>1</b>	SCALE: FULL SHEET 1 OF 1
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	