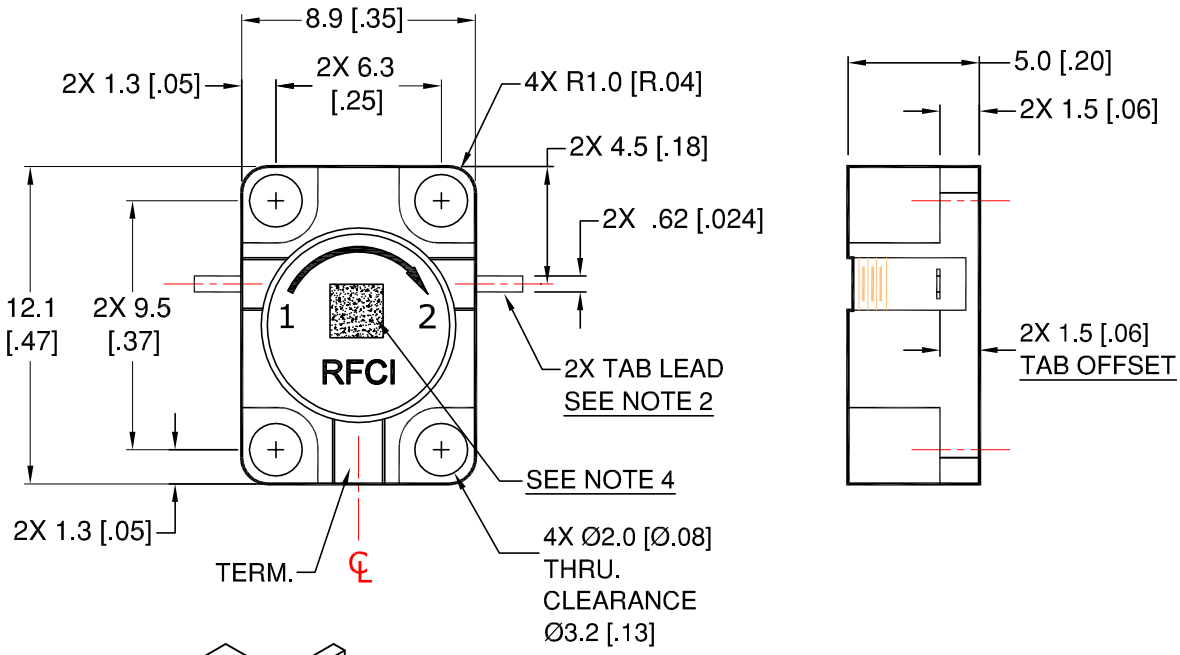
DWG. NO.	SHT	REV
SL2956-OS	1	B

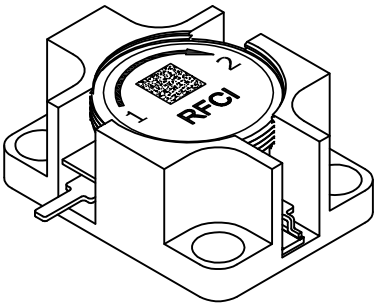
THIS DRAWING HAS BEEN GENERATED BY A CAD SYSTEM. CHANGES SHALL ONLY BE INCORPORATED AS DIRECTED BY THE DESIGN ACTIVITY. DO NOT REVISE MANUALLY.

REVISIONS

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

RoHS COMPLIANT





Finish:
Body Housing: Steel, Nickel plated
Tab Lead: Be-Cu, Silver plated

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

Specifications

Parameter	Minimum	Typical	Maximum
Frequency Range (GHz)	9.0		9.7
Insertion Loss: In-Out(dB)		< 0.35	0.40
Isolation: Out-In (dB)	19	> 22	
Return Loss (dB)	19	> 22	

Notes:
1. Typical Values Represent Performance @ +23 °C.
2. Tab Dimensions: 0.62 [.024]W x 2.0 [.08]L x 0.20 [.008]T
3. Isolator Flange held to +85°C; 30 Minute Maximum Duration
4. MATRIX BAR CODE: Part Number, Serial Number and Date Code

Power & Temperature Ratings

Parameter	Maximum
Forward PWR Peak/CW	250/25 Watts
Reverse PWR Peak/CW	250/2 Watts
Termination Rating (see note 3)	5 Watts
Operating Temperature	-40 to +85° C
Storage Temperature	-40 to +95° C

Permanent damage to the Device or reduce reliability if exceeding any of the limits.
Port (1) and (2): DC connected and floating with the 50 ohm resistance of the internal load as the only ground connection.

CW ISOLATOR MODEL: RFSL2956

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

TITLE
OUTLINE/SPECS

SIZE	CAGE NO.	DWG NO.	REV.
A		SL2956-OS	B

SCALE: FULL | SHEET 1 OF 1