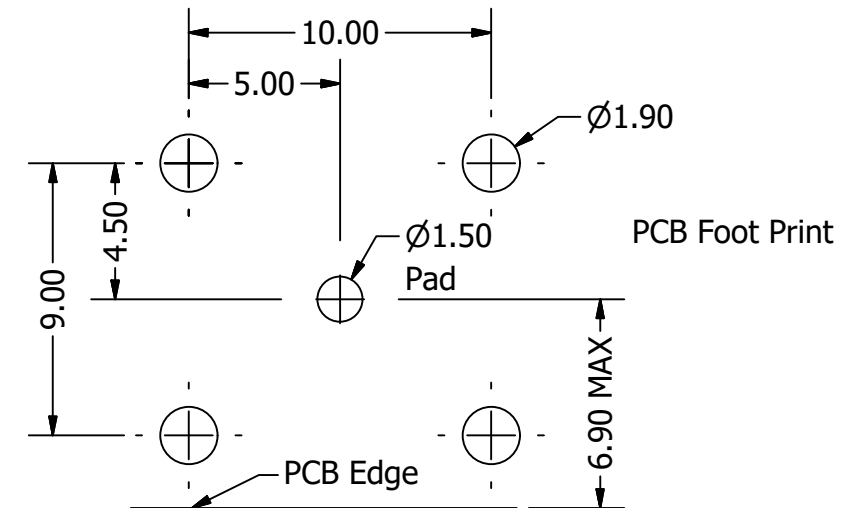


PCB Top
Panel Cut Out
3.5mm MAX Panel
Thickness

Supplied with
Circular Nut And Washer



REVISION HISTORY			
REV	DESCRIPTION	DATE	DESIGNER
1.0	Origin	03/02/2016	Peter Fayers
1.1	RL Data Updated	05-Sep-16	Peter Fayers
1.2	Process data revised	17-Oct-16	Peter Fayers
1.3	Pin Tolerance Added	09-Jan-17	Peter Fayers

Design Right Protected <small>Third Angle Projection</small> 	Material:	Finish:	Gen Tol +/- 0.20	DO NOT SCALE		
	Designed by Peter Fayers	Checked by	Approved by	Date	©2014	
RoHS Compliant	Cambridge Electronic Industries Ltd	This document and all the data contained herein is and shall remain the property of Cambridge Electronic Industries Ltd and may not be used or copied for any purpose whatsoever without the written permission of Cambridge Electronic Industries Ltd.			12 GHz RA BNC SMT Centre Pin Socket	
		C-SX-166 (NPF 6329)			Issue 1.3	Sheet 1 / 3

Electrical:

Impedance 75 Ohms

Freq Range 0-12.0GHz

Working Voltage 500 Vrms

Dielectric withstanding voltage 1500 Vrms

Reflection Factor (VSWR) 1.11 Max DC-6.0 GHz
1.21 Max 6.0 GHz-12.0 GHz

Contact Resistance Centre Contact 1.5 m Ohm
Outer Contact 1.0 m Ohm

Insulation Resistance > 5000 Meg Ohm

Materials:

Centre Pin Phosphor Bronze /10u" Au

Metal Parts Die Cast Zinc/Ni

Insulator PTFE

Processing:

Hand Solder

Wave Solder 260°C

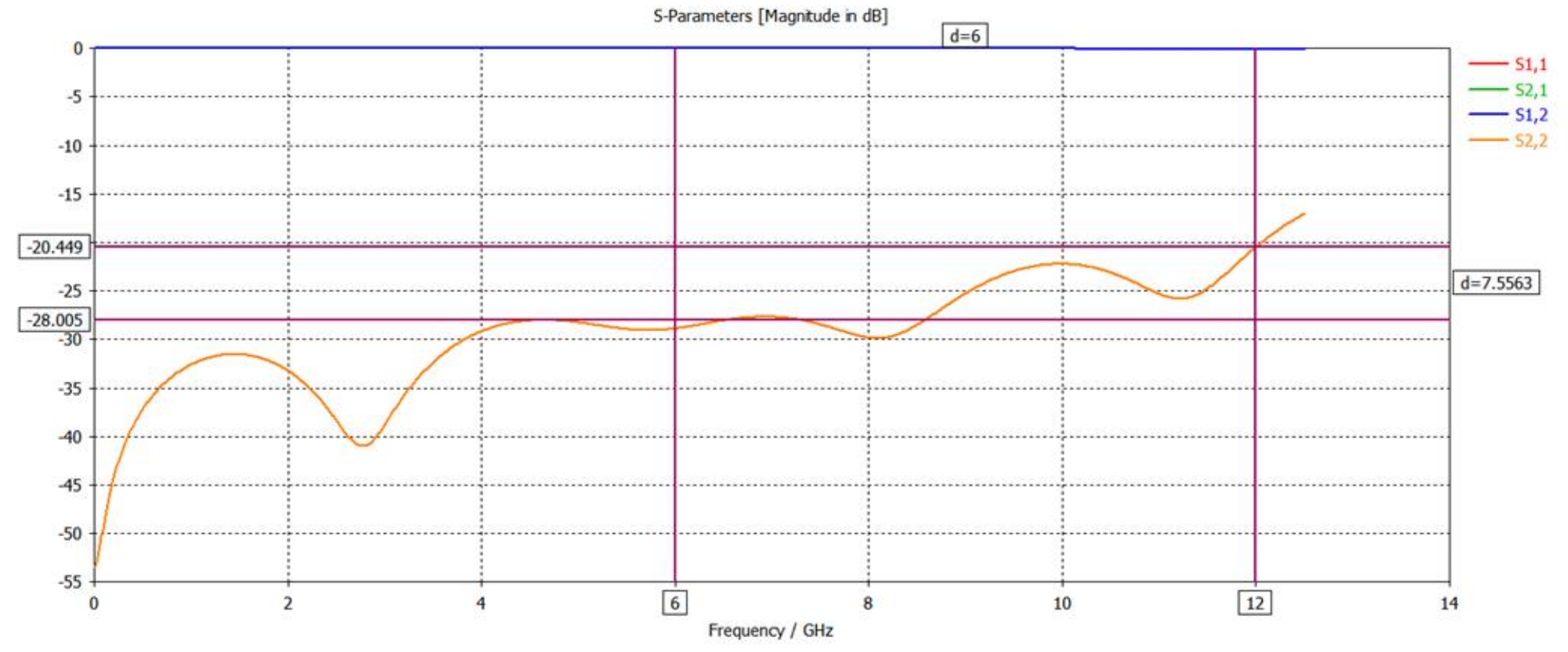
Infrared, convection, and vapor phase Reflow

Maximum reflow time/temperature not to exceed 245°C for 3 minutes.

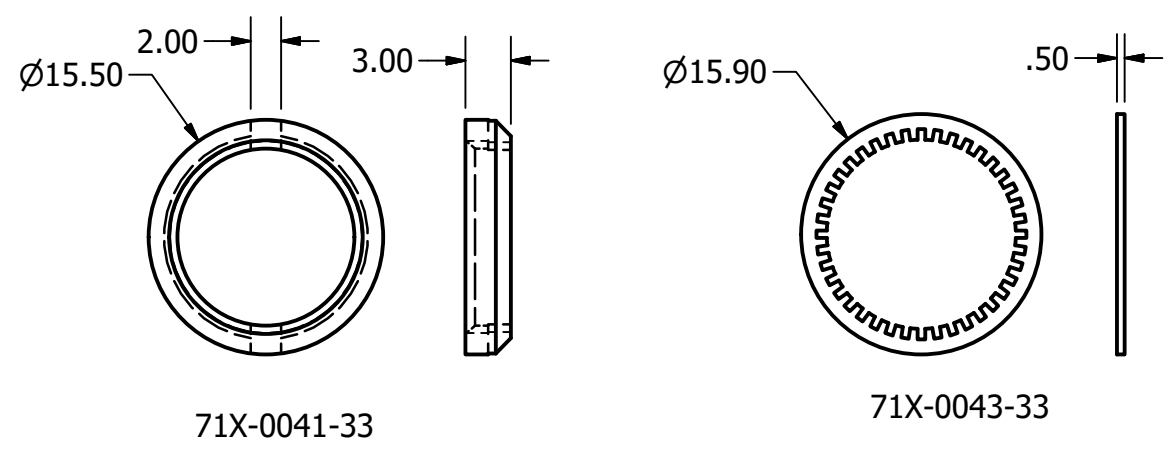
Enviromental:

Temp Range: -65 to +85°C

Mating cycles: 250

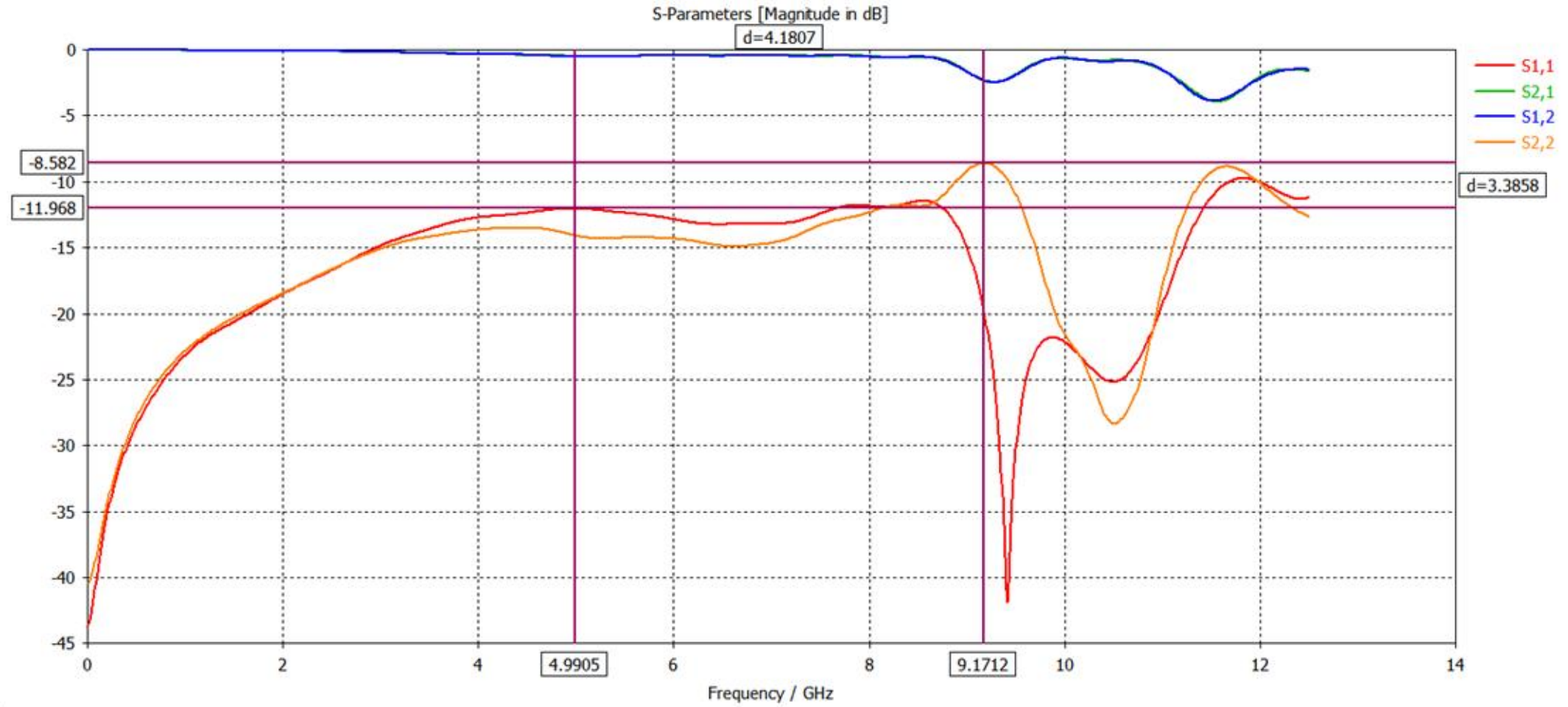


With BNC Male connector and No PCB element.

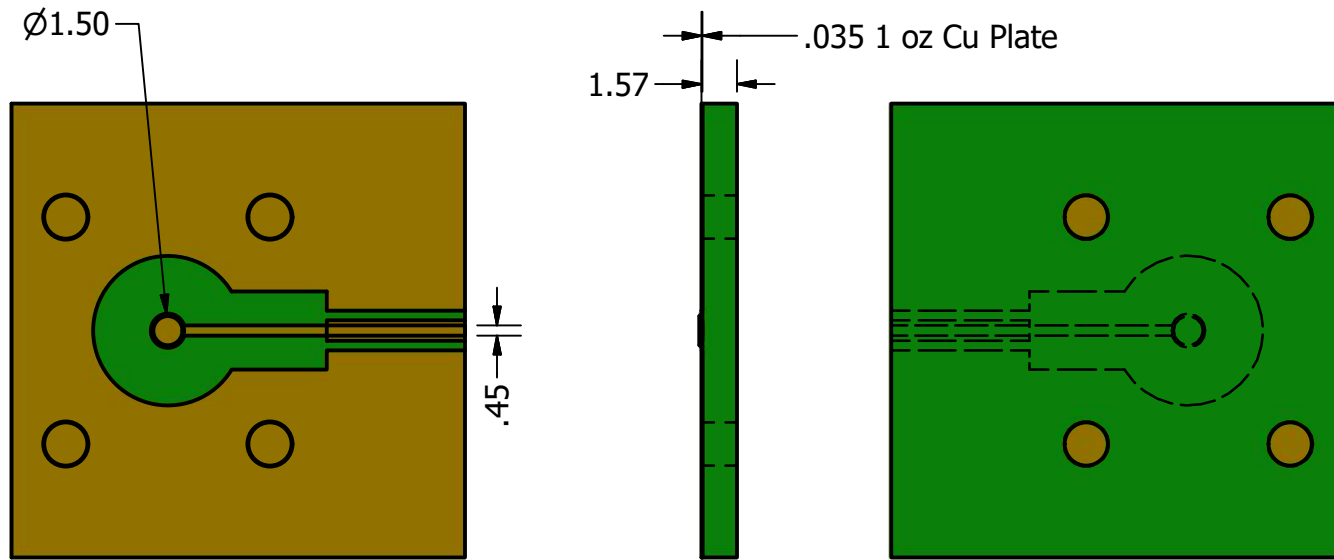


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	Designed by Peter Fayers		Checked by		Date	Unit of measure: millimetres(mm)	
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			C-SX-166 (NPF 6329)		Issue 1.3	Sheet 2 / 3	

Application example



With Male BNC and Strip Line PCB



This example is for guidance only.

Note:

- a. Results are simulated
- b. The centre pin is SMT
- c. Male BNC connector is CEI XBT-1068-BGAS
- d. PCB substrate dielectric constant = 4.6
- e. 1 oz copper clad

Design Right Protected	Material:		Finish:		Gen Tol +/- 0.20		DO NOT SCALE		
	Third Angle Projection		Designed by Peter Fayers		Checked by		Approved by Date		
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						Issue 1.3		Sheet 3 / 3	