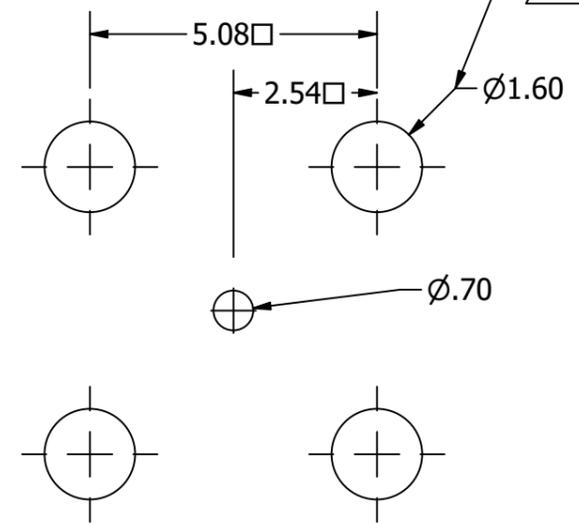
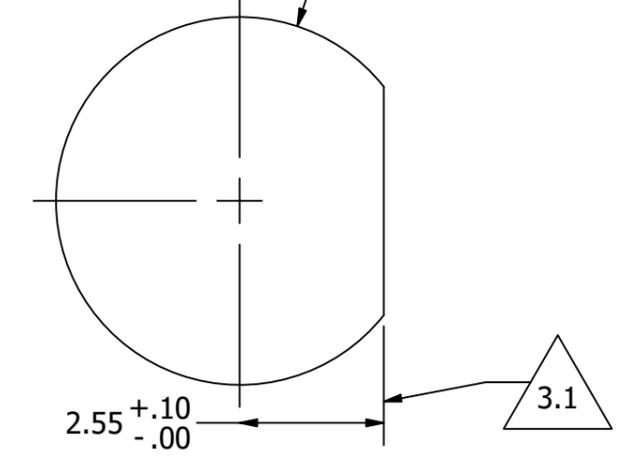


1/4-36 UNS - 2A



Recommended PCB Footprint

$\phi 6.50^{+.10}_{-.00}$



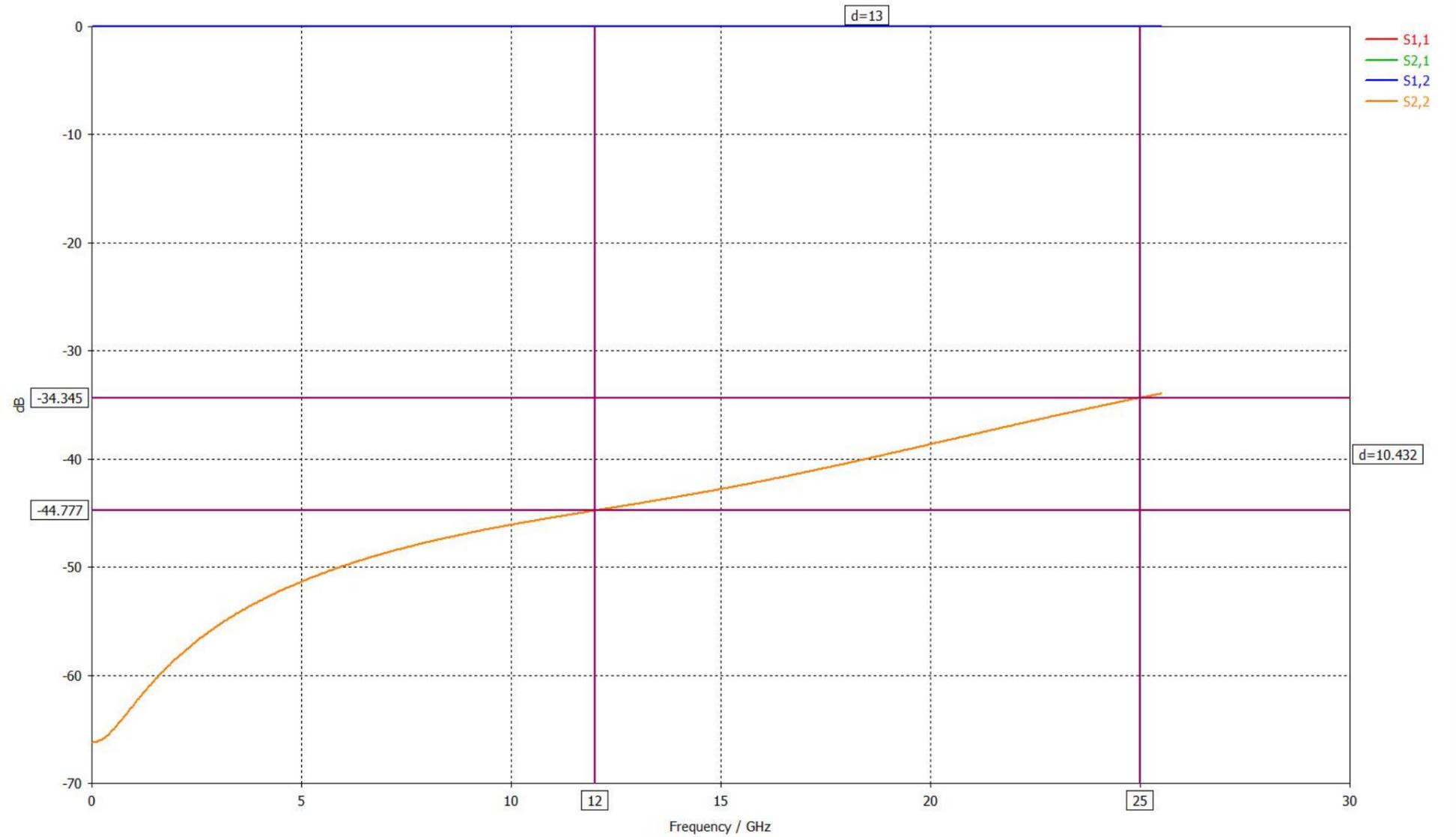
Recommended Panel Cut Out
MAX panel thickness: 3.0mm

REVISION HISTORY			
REV	DESCRIPTION	DATE	DESIGNER
3.0	Updated P/N	31 Jul 2024	Peter Millard
3.1	Updated Body Chanfer, PCB Footprint & Pannel Cutout	16 Jan 2025	Peter Millard
3.2	Updated panel note	17 Jul 2025	Peter Millard
3.3	Updated body TOL	21 Aug 2025	Peter Millard
3.4	Updated Body dimentions	08 Sep 2025	Peter Millard
3.5	Added Thread Notes	17/09/2025	Martin Smith

Design Right Protected <small>Third Angle Projection</small> 	Material:	Finish:	Gen Tol ±0.10 Angular ±2°	DO NOT SCALE	
	Designed by Peter Fayers	Checked by	Approved by	©2024	Date 21/03/2013
RoHS Compliant 		<small>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.</small>		Description: 12GHz 75 ohm Micro BNC Female Bulkhead Top Entry with 6.2mm Standoff	
		Part No: XPS-12-TB25-GG Cust		Issue 3.5	Sheet 1 / 2

Connector ONLY

S-Parameters [Magnitude in dB]



Electrical:

Impedance 75 Ohms
 Freq Range 0-25.0 GHz
 Working Voltage 170 Vrms
 Dielectric withstanding voltage 500 Vrms
 Reflection Factor (VSWR) 1.00 Max 0.0-6.0 GHz
 1.01 Max 6.0-12.0 GHz
 1.04 Max 12.0-25.0 GHz

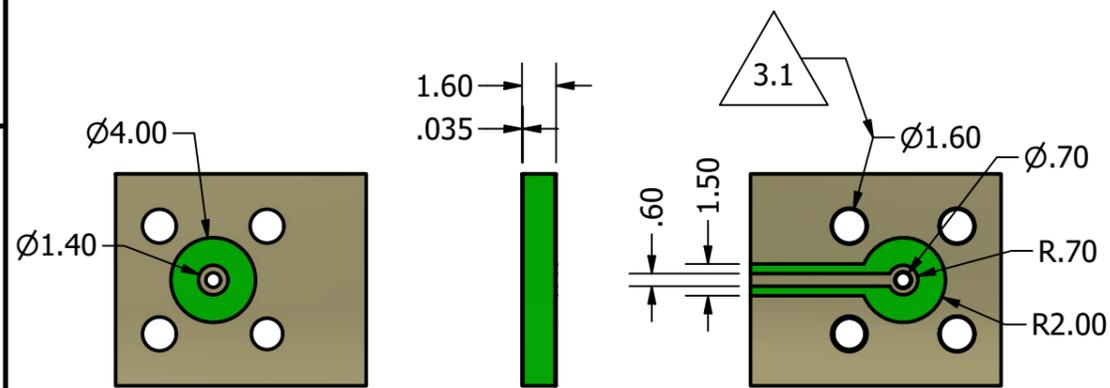
Contact Resistance Center Contact 5.0 m Ohm
 Outer Contact 2.5 m Ohm
 Insulation Resistance > 1000 Meg Ohm

Materials:

Center Pin BeCu/10μ Au
 Metal Parts Brass / Au
 Insulators PTFE

Enviromental:

Temp Ranges: -65 to +85°C
 Mating Cycles: 500



Suggested PCB layout intended as starting point for design iteration

Design Right Protected	Material:	Finish:	Gen Tol ±0.10 Angular ±2°	DO NOT SCALE	
	Unit of Measure: millimeters (mm)			©2024	Date 21/03/2013
Third Angle Projection	Designed by Peter Fayers	Checked by	Approved by		
RoHS Compliant	Cambridge Electronic Industries	Description: 12GHz 75 ohm Micro BNC Female Bulkhead Top Entry with 6.2mm Standoff		Part No: XPS-12-TB25-GG Cust	Issue 3.5
		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.		Sheet 2 / 2	