

**Recommended Panel Cut Out**  
MAX panel thickness: 2.5mm

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Updated P/N	FB / INT	29 Jul 2024	Peter Millard
3.1	Updated PCB & Panel	FB / SUPP	09 Dec 2024	Peter Millard
3.2	Updated PCB	FB / SUPP	19 Dec 2024	Peter Millard
3.3	Added thread, Updated panel note	FB / INT	17 Jul 2025	Peter Millard

<b>Design Right Protected</b> Third Angle Projection 	Material:	Finish:	Gen Tol ±0.10 Angular ±2°	DO NOT SCALE	
	Designed by <b>Peter Fayers</b>	Checked by	Approved by	©2024	Date 04 Apr 2013
<b>RoHS Compliant</b> 	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.		Description: XPS-12-RB41-GN Cust.idw		Issue <b>3.3</b> Sheet <b>1 / 2</b>
	<b>CAMBRIDGE ELECTRONIC INDUSTRIES</b> 		Part No: XPS-12-RB41-GN Cust		

**A3**

**Electrical:**

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

Contact Resistance Center Contact 4.0 m Ohm  
 Outer Contact 2.5 m Ohm  
 Insulation Resistance > 1000 Meg Ohm

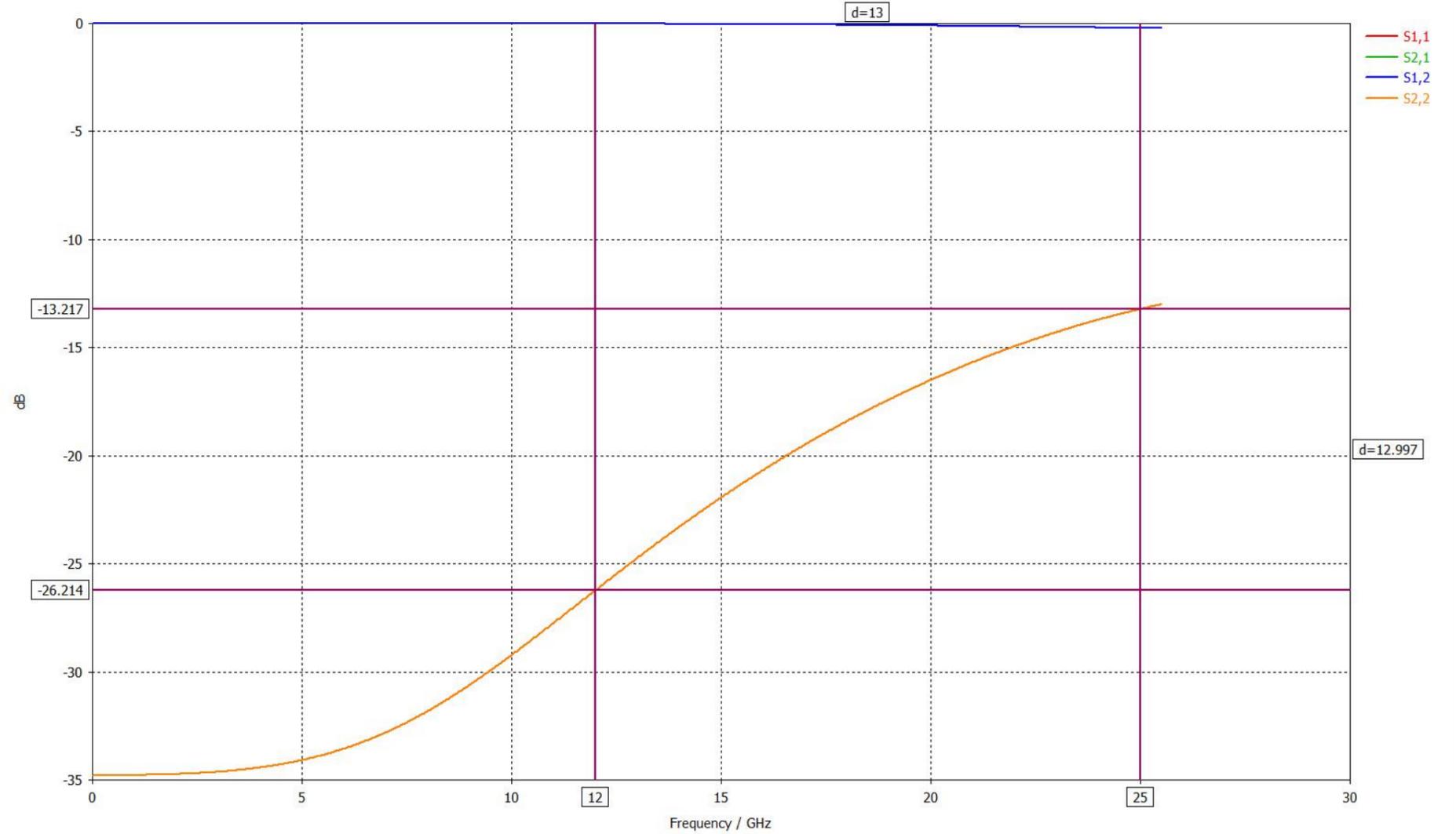
**Materials:**

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

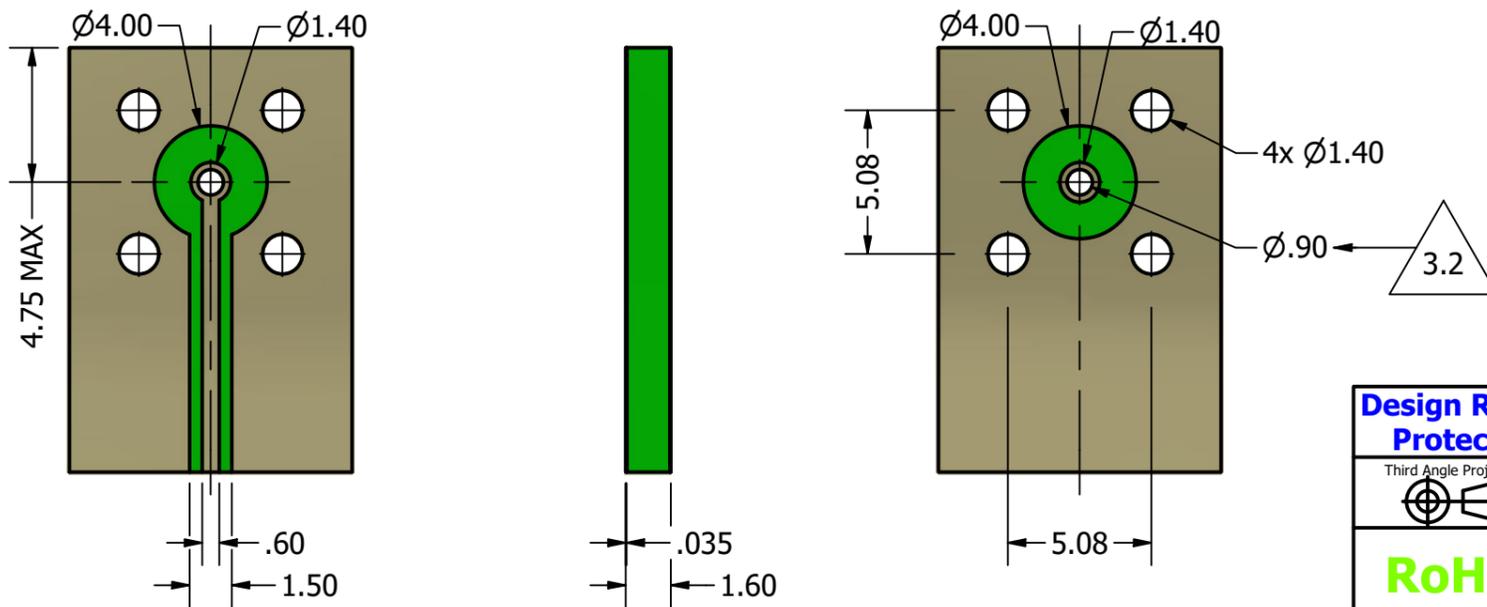
**Enviromental:**

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

**Connector ONLY** S-Parameters [Magnitude in dB]



**Suggested PCB layout intended as starting point for design iteration**



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	Third Angle Projection		©2024	Unit of Measure: millimeters (mm)	
<b>RoHS Compliant</b>	Designed by <b>Peter Fayers</b>	Checked by	Approved by	Date 04 Apr 2013	<b>A3</b>
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