

Recomended Panel Cut Out

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Updated P/N	FB / INT	08 Apr 2024	Peter Millard
3.1	Revised Contact	FB / SUPP	05 Aug 2024	Peter Millard
3.2	Updated harpoon	FB / INT	06 Aug 2024	Peter Millard
3.3	Added inspection details to assembly	FB / SUPP	25 Nov 2024	Peter Millard
3.4	Updated retention ring design AdjustedPin height	FB / SUPP	19 Dec 2024	Peter Millard

Design Right Protected  RoHS Compliant	Material:	Finish:	Gen Tol ±0.10	DO NOT SCALE	
				Unit of Measure: millimeters (mm)	
Designed by Peter Fayers	Checked by	Approved by	©2024	Date 13 Feb 2019	A3
				Description: 12GHz Micro BNC R/A with harpoon for pick and place	
				Part No: XPS-12-RB16-GNHP Cust	Issue 3.4
				Sheet 1 / 3	

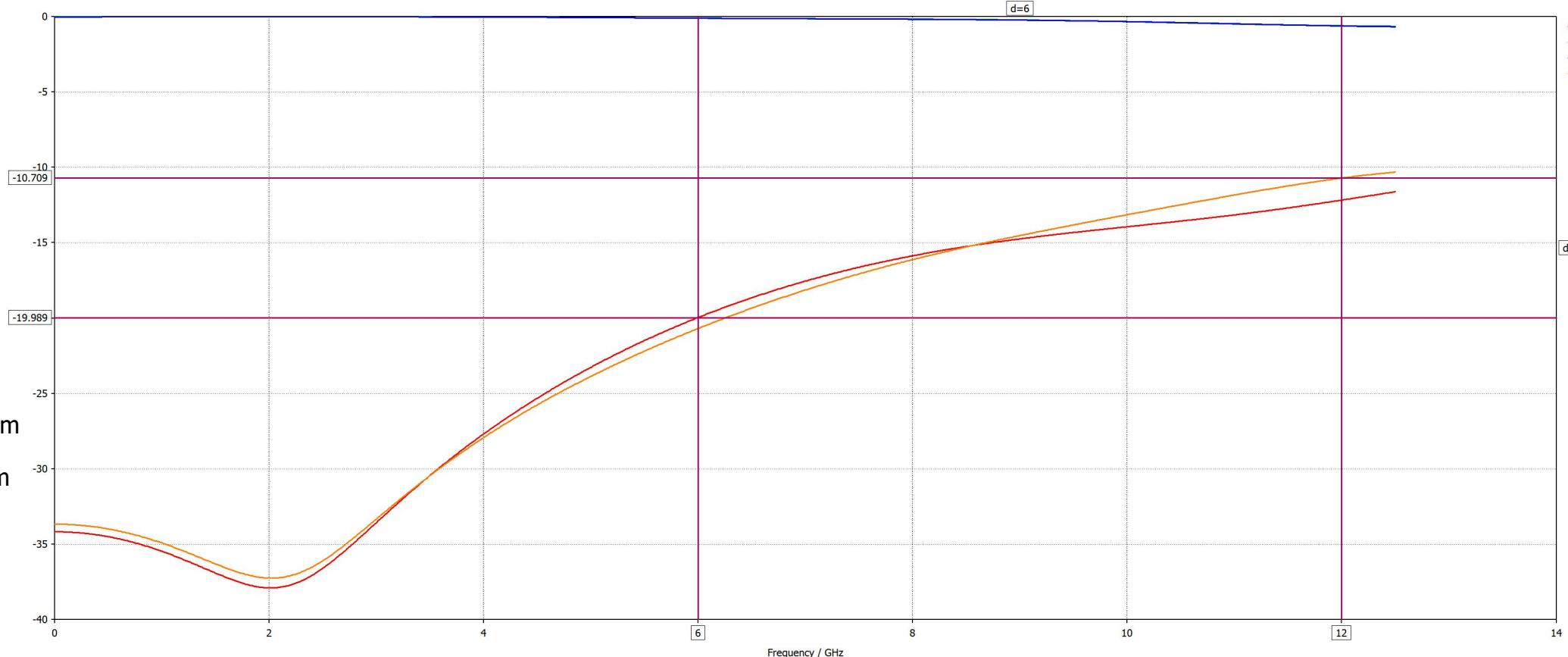
6 5 4 3 2 1

Including PCB Element

S-Parameters [Magnitude in dB]

Electrical:

Impedance	75 Ohms
Freq Range	0-12.0 GHz
Working Voltage	170 Vrms
Dielectric withstand voltage	>500 Vrms
Reflection Factor (VSWR)	1.23 Max 0.0-6.0 GHz 1.86 Max 6.0-12.0 GHz

**Materials:**

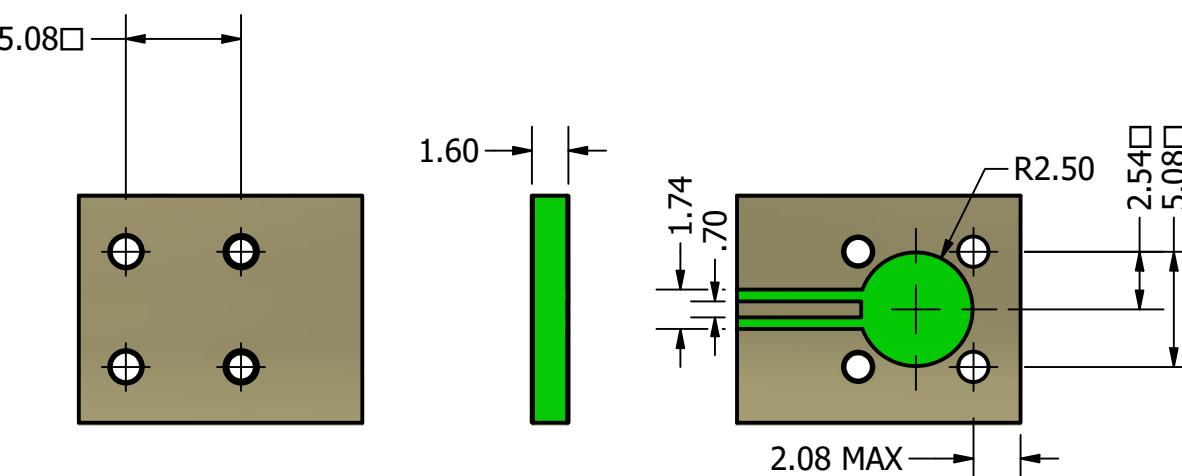
Center Pin	BeCu/10 μ " Au
Metal Parts	Brass / Au or Ni
Insulators	PTFE

Environmental:

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

Processing:

Reflow Process Temp	245°C MAX
Hand Solder Temp	260°C

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

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				± 0.10	Unit of Measure: millimeters (mm)	
Third Angle Projection	Designed by Peter Fayers	Checked by	Approved by	©2024	Date 13 Feb 2019	A3
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