

6 5 4 3 2 1

Including PCB Element

S-Parameter Magnitude in dB

Electrical:

Impedance	75 Ohms
Freq Range	0-12.0 GHz
Working Voltage	500 Vrms
Dielectric withstanding voltage	1500 Vrms
Reflection Factor (VSWR)	1.15 MAX 0.0-1.5 GHz
	1.33 MAX 1.6-3.2 GHz
Contact Resistance	Center Contact 1.5 m Ohm
	Outer Contact 1.0 m Ohm
Insulation Resistance	>5000 Meg Ohm

Materials:

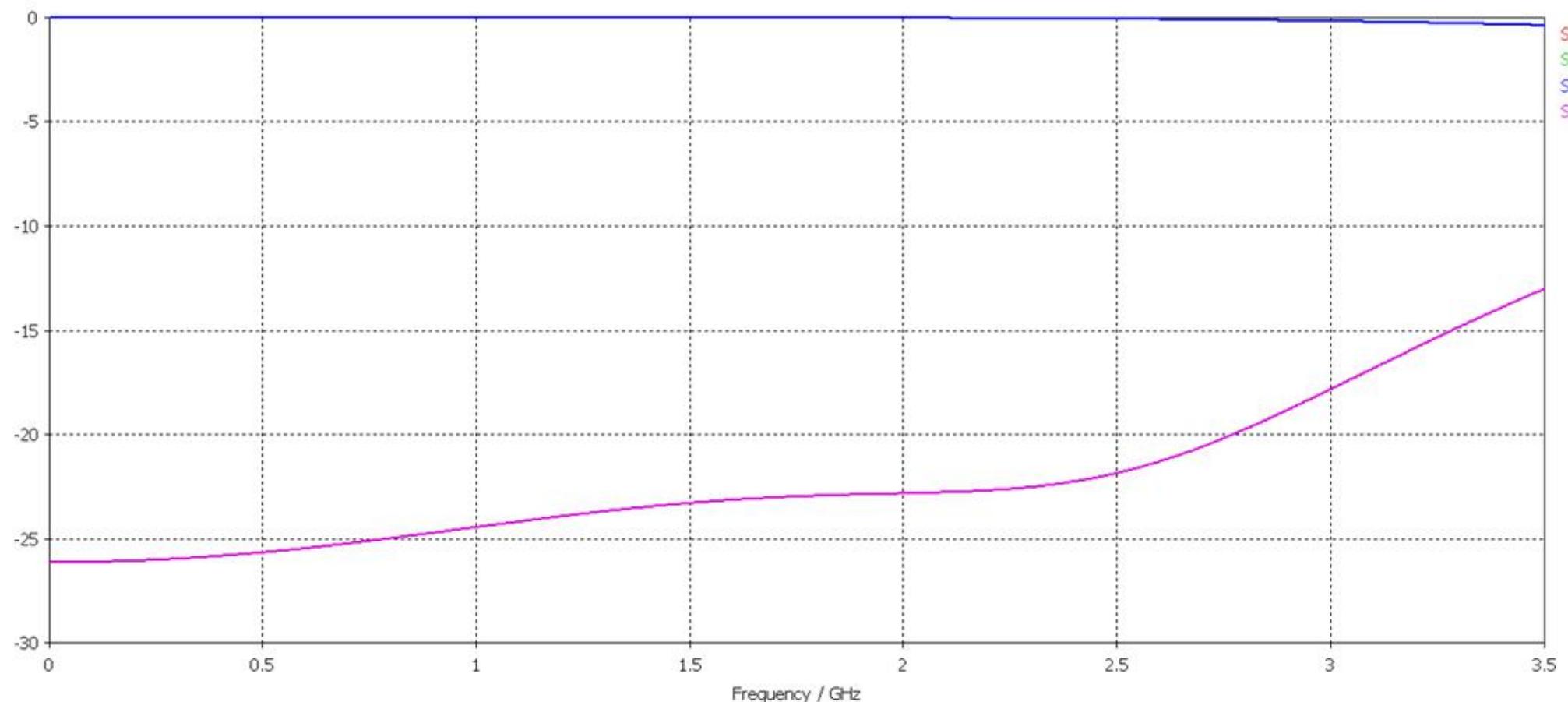
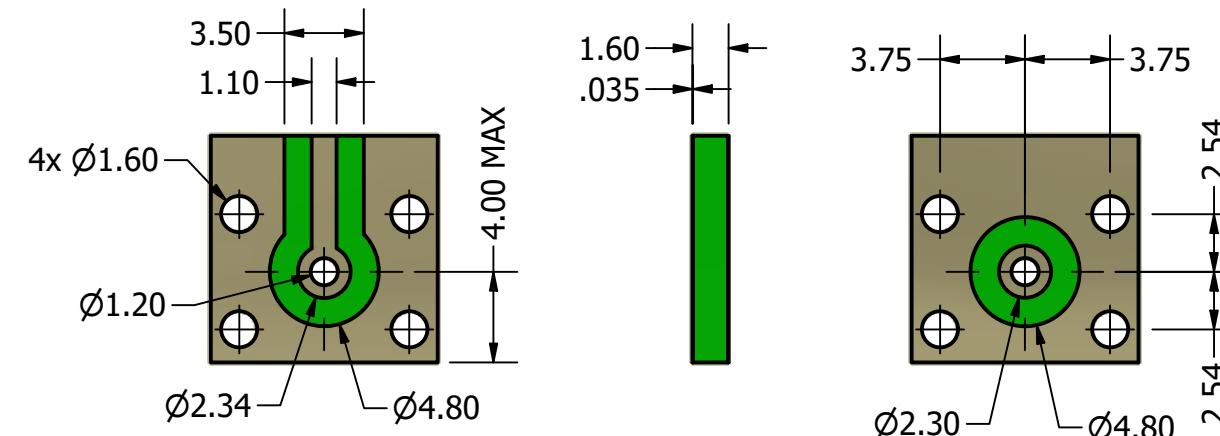
Center Pin	Phosphor Bronze / 10 μ " Au
Metal Parts	Die Cast Zinc/ 70 μ " Ni Plate
Insulators	TPX

Environmental:

Temp Ranges	-65 to +85°C
Mating Cycles	250
Vibration	MIL-STD-202 Method 204 test condition B
Salt Spray	MIL-STD-202 Method 101 test condition B

Processing:

Hand solder	265° MAX
Wave solder	265° MAX Dwell time 10-12 Seconds

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

Design Right Protected	Material:	Finish:	Gen Tol ±0.10 Angular ±2°	DO NOT SCALE
Third Angle Projection	Designed by P. Fayers	Checked by	Approved by	Unit of Measure: millimeters (mm)
				©2024 Date 09 Jan 2008 A3
		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: 3GHz 75 ohm BNC Female Bulkhead R/A PCB Connector 8mm leg with light pipe	Part No: XBS-03-RB40-NNV Cust Issue 3.0 Sheet 2 / 2