

6

5

4

3

2

1

Electrical:

| | |
|---------------------------------|--|
| Impedance | 75 Ohms |
| Freq Range | 0-6.0 GHz |
| Working Voltage | 250 Vrms |
| Dielectric withstanding voltage | >750 Vrms |
| Reflection Factor (VSWR) | 1.11 Max 0.0-3.2 GHz 1.29 Max 3.3-6.0 GHz |

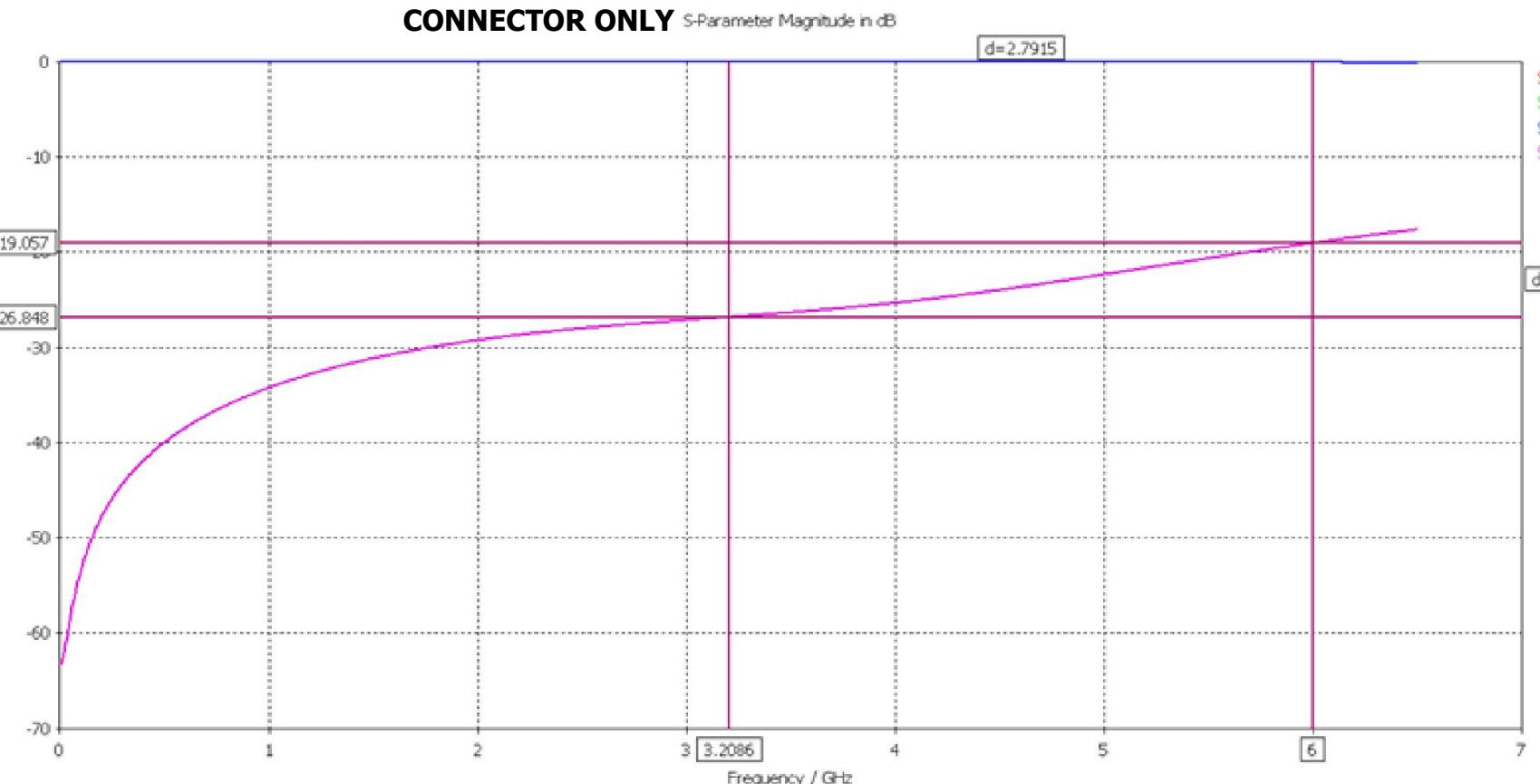
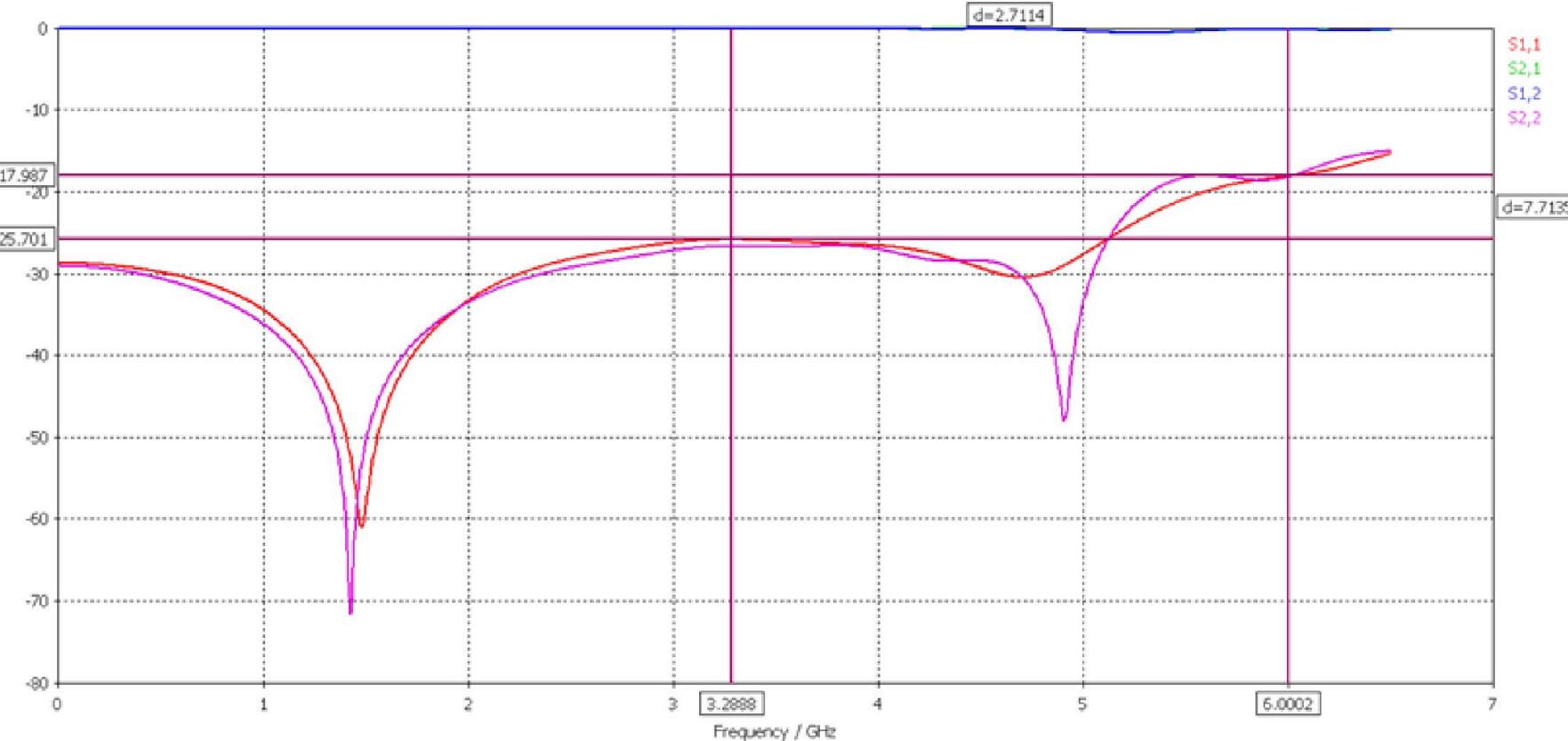
| | |
|-----------------------|--------------------------|
| Contact Resistance | Center Contact 4.0 m Ohm |
| | Outer Contact 2.5 m Ohm |
| Insulation Resistance | > 1000 Meg Ohm |

Materials:

| | |
|-------------|------------------|
| Center Pin | BeCu/10 μ Au |
| Metal Parts | Brass / Au or Ni |
| Insulators | PTFE(UL94-V0) |

Environmental:

| | |
|----------------|---|
| Temp Ranges: | -65 to +85°C |
| Mating Cycles: | 500 |
| Vibration: | MIL-STD-202 Method 204 test condition B |
| Salt Spray: | MIL-STD-202 Method 101 test condition B |

**CONNECTOR WITH PCB ELEMENT** S-Parameter Magnitude in dB

| Design Right Protected | | Material: | Finish: | Gen Tol | DO NOT SCALE | |
|------------------------|--|---|------------|--|-----------------------------------|---------------------|
| | | | | ± 0.10 | Unit of Measure: millimeters (mm) | |
| Third Angle Projection | | Designed by P. Fayers | Checked by | Approved by | ©2024 | Date 09 Feb 2009 |
| RoHS Compliant | | 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: 6GHz 75 ohm 1.0/2.3 Female sleeved R/A PCB Connector | | |
| | | Part No: XGS-06-RB26-NG Cust | | Issue 3.4 | Sheet 2 / 2 | |