

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
3.0	Updated Part Numbers	FB / INT	15 Jul 2025	Peter Millard

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	Unit of Measure: millimeters (mm)
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>		©2025	Date 18 Dec 2013
		Description: 12GHz BNC cable plug Part No: XBT-1068-NGAS Cust		Issue 3.0	Sheet 1 / 2

A3

Electrical:

Impedance 75 Ohms
 Freq Range 0-12.0 GHz
 Working Voltage 500 Vrms
 Dielectric withstanding voltage 1500 Vrms
 Reflection Factor (VSWR) 1.25 MAX 0.0-12.0 GHz
 Contact Resistance Center Contact 1.5 m Ohm
 Outer Contact 1.0 m Ohm
 Insulation Resistance >5000 Meg Ohm

Mechanical:

Coupling nut retention 100lb
 Cable retention 40lb MIN

Materials:

Center Pin Brass / Au
 Metal Parts Brass / Ni or Au Plate
 Insulators PTFE

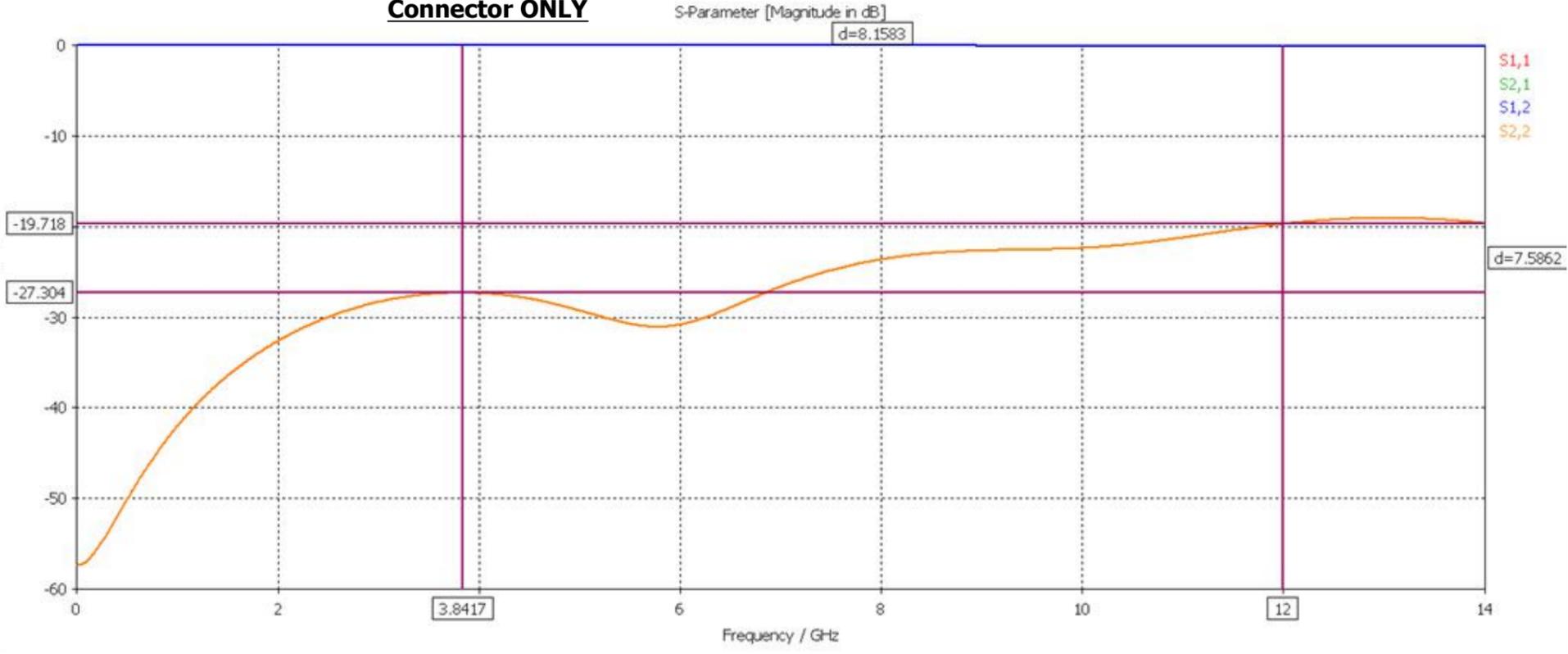
Environmental:

Temp Ranges -65 to +85°C
 Mating Cycles 250

Processing:

Contact Hand solder
 Cable Crimp

Connector ONLY



Design Right Protected	Material:	Finish:	Gen Tol ±0.10 Angular ±2°	DO NOT SCALE	
	Unit of Measure: millimeters (mm)		©2025	Date 18 Dec 2013	A3
Third Angle Projection	Designed by Peter Fayers	Checked by	Approved by	Description: 12GHz BNC cable plug	
RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTRIES	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.		Part No: XBT-1068-NGAS Cust	Issue 3.0 Sheet 2 / 2