

General Description

The XBS-03-TE40-NN precision 75Ω BNC Connector is a top entry four leg PCB mounted connector. Cambridge Electronic Industries' precision BNC connector range is fully compatible with all standard BNC connectors. However, optimum performance is achieved when these connectors are mated with other precision BNC connectors from the Cambridge Electronic Industries range.



Electrical

Impedance	75Ω	
Frequency Range	0-3GHz	
Working Voltage	500Vrms	
Reflection Factor (VSWR)	1.08 (max) 0-1.5GHz 1.16 (max) 1.5-3GHz	
Dielectric Withstanding Voltage	1500Vrms	
Insulation Resistance	≥5000MΩ	
Contact Resistance	Centre Contact	≤ 1.5mΩ
	Outer Contact	≤ 1.0mΩ

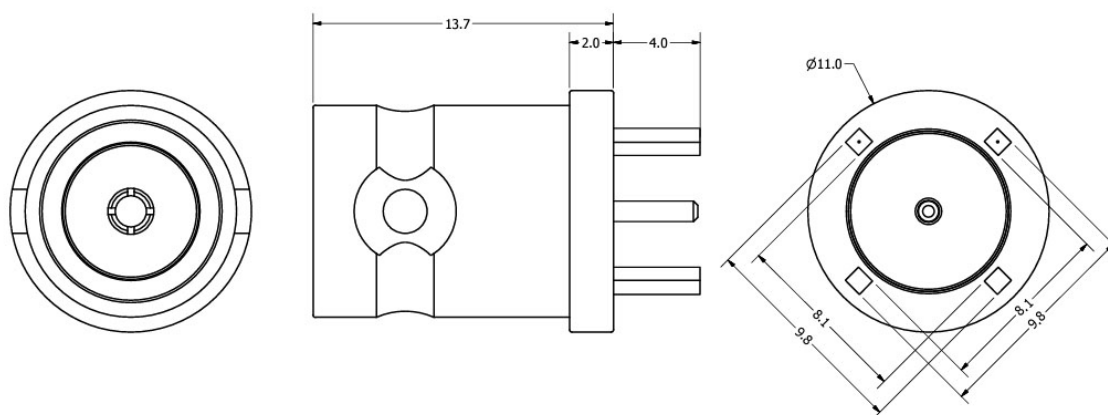


Materials

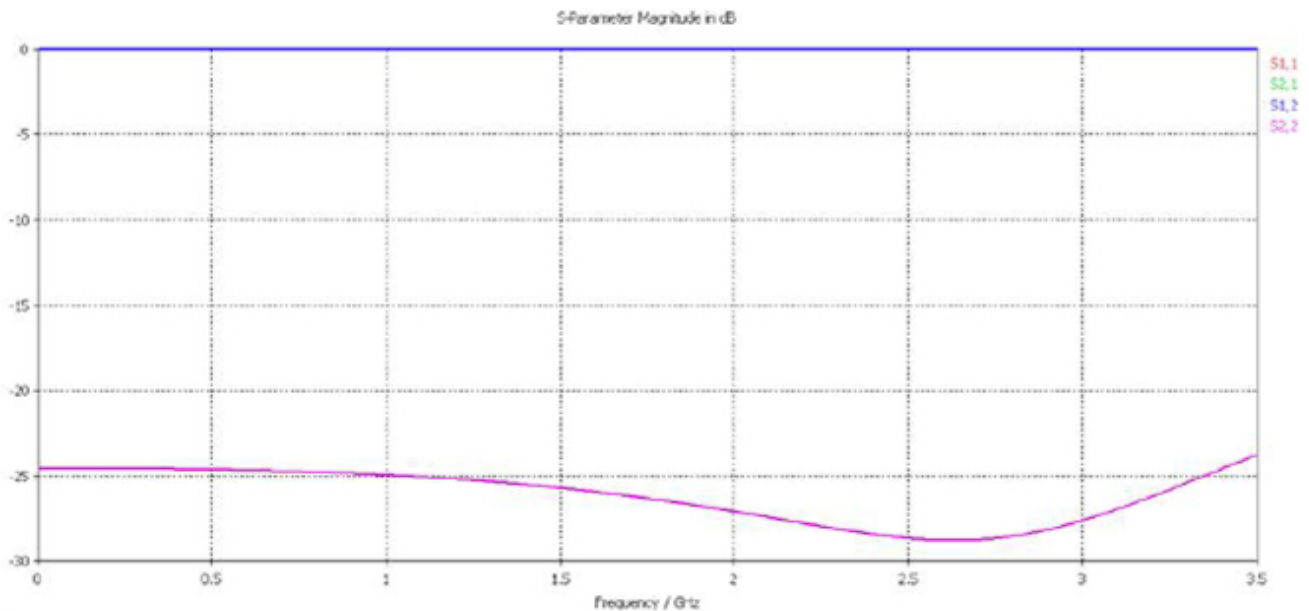
Centre Pin	PhosBronze / 10 μ"Au
Metal Parts	Brass/Ni
Insulators	Teflon

Environmental

Connector Type	BNC Female
Temp Range	-65 to +85°C
Mating Cycles	250



Return Loss Graph



PCB Layout and Panel Cutout

