



5	1	Gasket	Silicone rubber	
4	1	Coupling nut	Brass/Nickel plated	Nickel 5um over Copper 2um
3	1	Body	Brass/Nickel plated	Nickel 5um over Copper 2um
2	1	Insulator	PTFE	
1	1	Center contact	Brass/Gold plated	Gold 0.2um over Nickel 2um
Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference

Designed by	Checked by	Approved by - date	File name	Date	Scale
			B-112/RK50-2-22QA		
				Edition	Sheet

CHARACTERISTICS

DESCRIPTION: BNC Type male connector

Electrical characteristics:

Impedance:	50 ohm
Frequency range:	DC to 4 GHz
VSWR:	$\leq 1.08 + 0.06 \times f[\text{GHz}]$
Insertion loss:	$\leq 0.05 \times \sqrt{f[\text{GHz}]} \text{ dB}$
Insulation resistance:	$\geq 5000 \text{ M}\Omega$
Test voltage:	1500 V rms
Working voltage:	400 V rms
Contact resistance:	
1). Centre contact:	1.5 m Ω
2). Outer conductor:	1.0 m Ω
Power handling (at 20 °C, sea level, VSWR 1.0):	80 W @ 2 GHz

Environmental data:

Temperature rating:	-55 ° C to +155 ° C
52/95/EC (RoHS):	Compliant

Mechanical data:

Mating cycles:	≥ 500
Center contact captivation:	$\geq 15 \text{ N(axial)}$

Suitable cables:

SFF-50-2-1