



SMA Plug Detail Dimension

SMA Jack Detail Dimension

IP Rated Even When Unmated  
INC. Cable Entry Side

Patent Pending  
GB2416077.2  
GB2416078.0

#### Specifications

##### Material

1. Brass SMA Sealed Plug, Gold Plated, Rated to IP68/69K, P/N: RFCT-SMA111-B-M-ALS-S (with silicone rubber gasket)
2. Coaxial Cable, ALSR-100\*, Color: Black. (Specification Equivalent to LMR-100®)
3. Brass SMA Sealed Jack with O-ring, Gold Plated, Rated to IP68/69K, P/N: RFCT-SMA112-B-F-ALS-S (with silicone rubber gasket) Also Applicable for Bulkhead-mount (washer&nut provided)
4. O-ring: Silicone Rubber, Red
5. Washer: Brass, Gold Plated
6. Nut: Brass, Gold Plated

##### Electrical

1. Impedance: 50 Ohm
2. Working Frequency Range: DC - 6GHz

##### Mechanical & Environmental

1. Operating Temperature: -40°C to +85°C
2. Ingress Protection Rating: IP68/IP69K IP6X - Dust tight - no particle ingress. IPX8 waterproof for 48 hours at 1 meter underwater. IPX9K water spray, 14-16L per minute, at 8,000 ~ 10,000 kpa, at 100-150mm distance for 30 seconds.

#### Ordering Grid

CAB606RF - XXXX - X - 1 Request Samples and Quotation

"L" Length in mm:  
eg: 100mm = 0100  
Min. 0050, Max. 5000,  
Standard = 0152(6-inch),  
0304(12-inch), 0609(24-inch)  
0914(36-inch)  
Tolerance: 50mm: ±2mm.

51-200mm: ±5mm.  
201-500mm: ±7mm.  
501-999mm: ±10mm.  
≥1000mm: ± (L x 0.02)mm.

Cable Size:  
1 = ALSR-100 Cable, Color: Black  
  
Washer and nut options:  
**A = All Assembled with Connector (Standard)**  
Blank = Separately Packed

Recommended SMA Jack Mounting Hole  
Applicable Panel Thickness:  
Min. 0.7mm ~ Max. 3.2mm

Part Number	Product Description		
Drawing Date	SMA Sealed Plug To SMA Sealed Jack, With O-ring, Both Brass, IP68/69K, ALSR-100 Cable, 6GHz		
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length Angle	Metric (mm)
Revision	A	X. ± 0.20 X.XX ± 0.10 X.XXX ± 0.05	±1°
Date	24/02/25		3rd Angle Projection
			 This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE
			 www.gct.co
			Not to Scale Drawn By CC Sheet No. 1/1