

CAB606RF: SMA SEALED PLUG TO SMA SEALED JACK WITH O-RING, BOTH BRASS, IP68/69K, ALSR-100 CABLE, 6GHz

SPECIFICATIONS :

1. BRASS SMA SEALED PLUG, RATED TO IP68/69K, P/N: RFCT-SMA111-B-M-ALS-S (W/SILICONE GASKET)
2. COAXIAL CABLE, ALSR-100\*, COLOR: BLACK. (SPECIFICATION EQUIVALENT TO LMR-100®)
3. BRASS SMA SEALED JACK WITH O-RING RATED TO IP68/69K, P/N: RFCT-SMA112-B-F-ALS-S (W/ SILICONE O-RING).
4. ALSO APPLICABLE FOR BULKHEAD-MOUNT (WASHER&NUT PROVIDED)

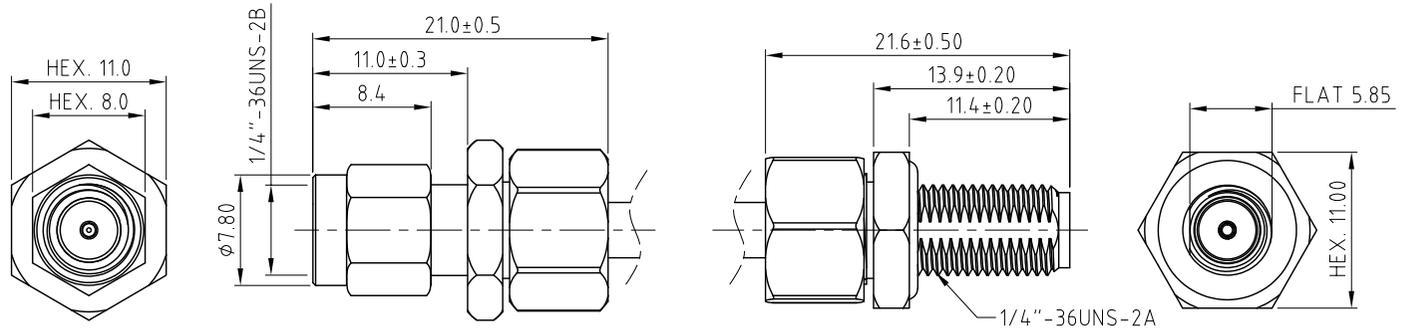
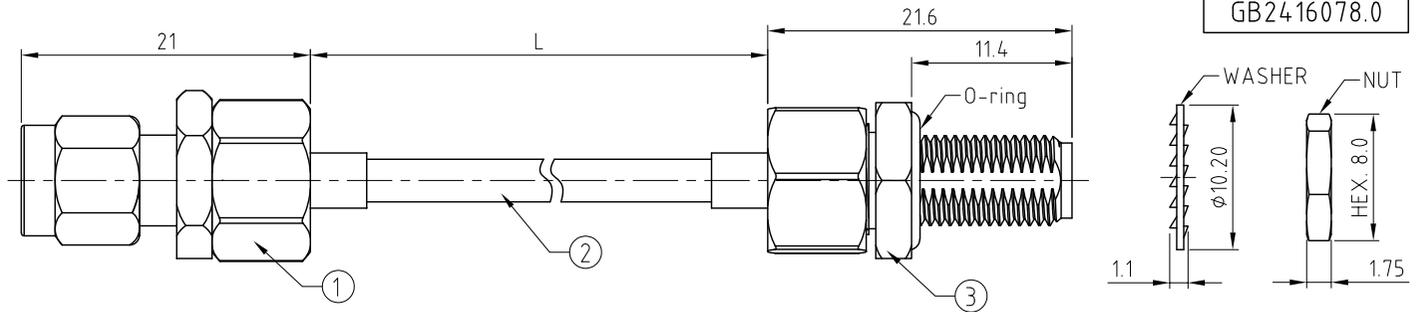
Patent Pending  
GB2416077.2  
GB2416078.0

ENVIRONMENTAL:

- A. SMA SEALED PLUG AND SMA SEALED JACK TESTED TO THE FOLLOWING SPECIFICATION:
- i. IP6X - DUST TIGHT - NO PARTICLE INGRESS.
  - ii. IPX8 WATERPROOF FOR 48 HOURS AT 1 METER UNDERWATER.
  - iii. IPX9K WATER SPRAY, 14-16L PER MINUTE, AT 8,000 ~ 10,000 KPA, AT 100-150MM DISTANCE FOR 30 SECONDS.

NOTES:

1. WORKING FREQUENCY RANGE: DC-6GHz.
2. OPERATING TEMPERATURE: -40°C TO +85°C.
3. IMPEDANCE: 50 OHM.



SMA PLUG DETAIL DRAWING

SMA JACK DETAIL DRAWING

HOW TO ORDER  
CAB606RF - X X X X - X - 1

"L" LENGTH IN MM:

eg: 500MM = 0500  
MIN. 0050, MAX. 5000,  
STANDARD = 0152(6-inch),  
0304(12-inch), 0609(24-inch),  
0914(36-inch)

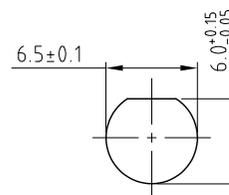
Tolerance: 50mm: ±2mm.  
51-200mm: ±5mm.  
201-500mm: ±7mm.  
501-999mm: ±10mm.  
≥1000mm: ± (L x 0.02)mm.

CABLE SIZE:

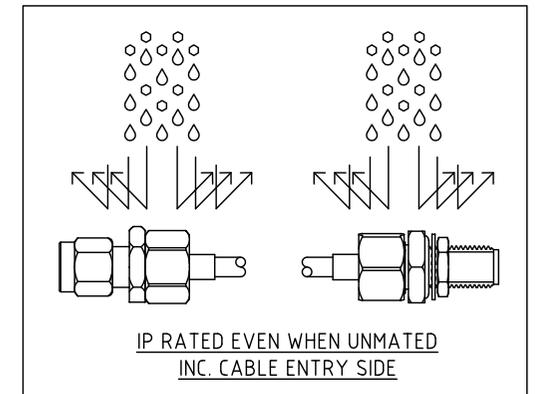
1 = ALSR-100 CABLE, COLOR: BLACK

WASHER AND NUT OPTIONS:

BLANK = SEPARATELY PACKED (STANDARD)  
A = ALL ASSEMBLED WITH CONNECTOR



RECOMMENDED SMA JACK MOUNTING HOLE  
APPLICABLE PANEL THICKNESS:  
MIN. 0.7MM ~ MAX. 3.2MM



REV. DATE & DRN	10. 28/03/24 - CC RELEASE
	11. 11/06/24 - CC Add note 'Patent Pending'
	12. 26/08/24 - CC Sp. 400 Change frequency to 6GHz. Change max. cable length to 5m. Change operating temperature to -40°C ~ +85°C.
	13. 11/09/24 - CC Add GCT logo.
	14. 17/12/24 - CC Add Patent numbers.
	15. 17/01/25 - CC Remove note 'bulkhead' form SMA Jack description.

Scale: NTS	THIRD ANGLE	Unstated Tolerances: X ±0.2 XX ±0.1 XXX ±0.05 ANGLES ±1°
Drawn: CC		
App'd: XXX	Title CABLE ASSEMBLY	
Date: 17 JAN. '25	Revision: 1.5	Unit: mm

IP Rated RF Products	www.gct.co	www.gradconn.com
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Drawing Number: CAB606RF
Sheet 1 of 1
Drawing © E and O E