CABLE 385 RF: I-PEX MHF 4L PLUG TO SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED IP67/68 TO MULTIPLE CABLE SIZES, 6GHz

SPECIFICATIONS :
1. I-PEX MHF 4L PLUG, P/N:
   FOR Ø1.13MM CABLE: 20565-001R-13.
   FOR Ø1.37MM (LL) CABLES: 20632-001R-37.
2. COAXIAL CABLE, SEE P/N OPTIONS FOR DETAIL.
3. SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68,
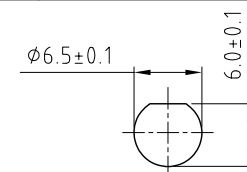   P/N: RFCT-SMA069-F78.

ENVIRONMENTAL:
A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA069-F78) RATED TO
   THE FOLLOWING SPECIFICATION:
   i. IP6X - DUST TIGHT - NO PARTICLE INGRESS.
   ii. IPX7 WATERPROOF FOR 30 MINUTES UP TO 1 METER UNDERWATER.
   iii. IPX8 WATERPROOF FOR 48 HOURS AT 1 METER UNDERWATER.
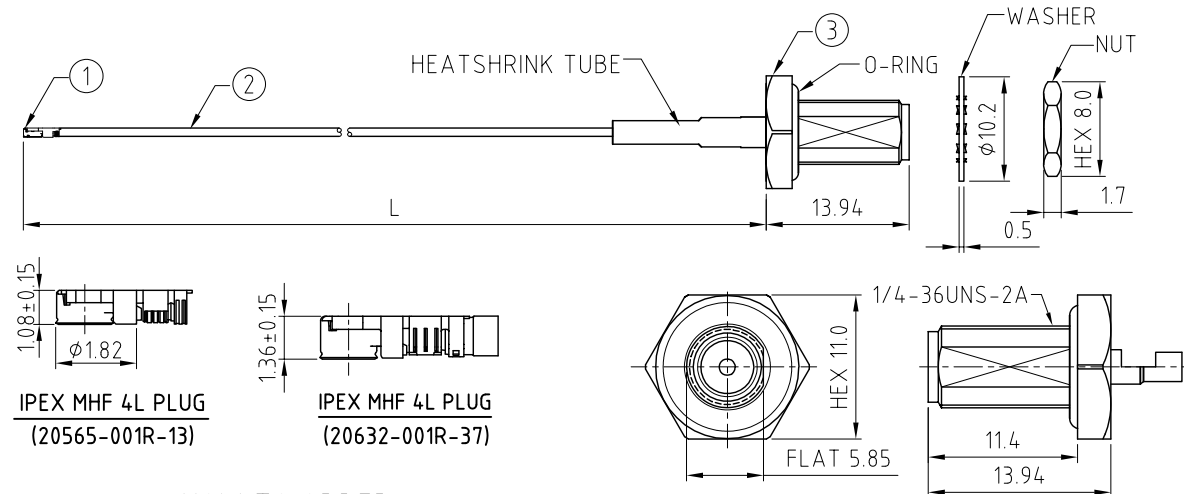
NOTES:
1. THE ORIENTATION OF CONNECTORS ON DRAWING IS FOR REFERENCE ONLY,
   IF THE ORDER IS LEFT BLANK THE CONNECTOR WILL NOT HAVE FIXED
   ORIENTATION.
2. FIXED ORIENTATION IS SUGGESTED FOR CABLE LENGTH 50MM TO 100MM.
   PLEASE SPECIFY THE FIXED ORIENTATIONS FROM THE ORDER CODE (F1, F2, ETC)
3. CONTACT GCT IF THE ORIENTATION YOU REQUIRE IS NOT SHOWN.
4. WORKING FREQUENCY RANGE: DC-6GHz.
5. OPERATING TEMPERATURE: -40°C~+85°C.
6. IMPEDANCE: 50 Ohm.

USAGE PRECAUTIONS: CABLES USING 'MICRO' COAX ARE DELICATE:
(i) HANDLE WITH CARE.
(ii) DO NOT TWIST; APPLY EXCESSIVE FORCES OR SHARP BENDS TO THE CABLE. DO NOT FORCEFULLY DEFORM WIRES.
(iii) CONSULT CONNECTOR MANUFACTURER'S DATASHEETS FOR DETAILED NOTES ON HANDLING INSTRUCTIONS.

Ø6.5±0.1
6.0±0.1

RECOMMENDED SMA MOUNTING HOLE

HEATSHRINK TUBE
WASHER
O-RING
NUT
Ø10.2
HEX 8.0
L
13.94
1.7
0.5

1.08±0.15
Ø1.82
IPEX MHF 4L PLUG
(20565-001R-13)

1.36±0.15
IPEX MHF 4L PLUG
(20632-001R-37)

HEX 11.0
FLAT 5.85

1/4-36UNS-2A
11.4
13.94

SMA DETAIL DRAWING

HOW TO ORDER

CABLE 385 RF - X X X - X X - X - X - X

"L" LENGTH IN MM:
eg: 100MM = 100
(MIN. 050-MAX.400
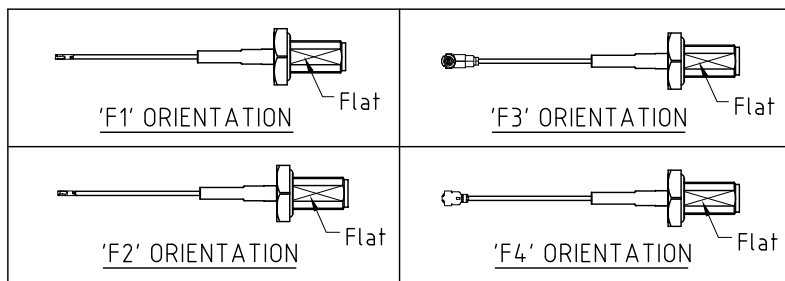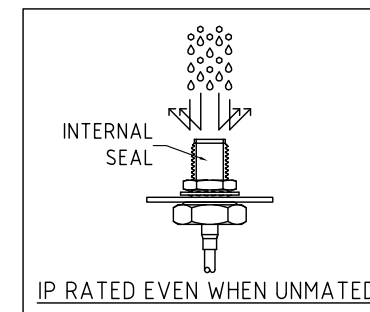STANDARD = 100, 150, 200)
Tolerance: 50-200mm: ±5mm.
201-400mm: ±7mm.

HEAT SHRINK TUBE COLOR:
BLANK = BLACK (STANDARD)
Y = YELLOW

CABLE SIZE OPTIONS:
2 = Ø1.13MM CABLE, COLOR: BLACK
3 = Ø1.37MM LOW LOSS CABLE, COLOR: BLACK
4 = Ø1.37MM CABLE, COLOR: BLACK

WASHER AND NUT OPTIONS:
BLANK = SEPARATELY PACKED (STANDARD)
A = ASSEMBLED WITH CONNECTOR

ORIENTATION OPTIONS:
BLANK = DOES NOT HAVE A FIXED ORIENTATION
F1 = MHF CONNECTION DOWN (L=50-200MM)
F2 = MHF CONNECTION UP (L=50-200MM)
F3 = MHF CONNECTION AND D FLAT SAME ORIENTATION (L=50-200MM)
F4 = MHF CONNECTION AND D FLAT OPPOSITE ORIENTATION (L=50-200MM)
(SEE NOTES 1, 2, 3 AND DIAGRAMS FOR MORE INFORMATION)

'F1' ORIENTATION — Flat
'F3' ORIENTATION — Flat
'F2' ORIENTATION — Flat
'F4' ORIENTATION — Flat

INTERNAL SEAL
IP RATED EVEN WHEN UNMATED