2.2-5 series
RF Coaxial Connector

FEATURES

- Small size, sturdy design, superior PIM performance, lightweight
- The interface design combines high power, low PIM, and small size features
- Excellent electrical performance and high connection reliability
- Designed specifically for small base stations and DAS applications

TECHNICAL PARAMETER

Temperature: - 40~+85℃

Impedance: 50Ω

Frequency: DC~6GHz

Insertion loss: ＜0.05x√f(GHz)dB

Insulation resistance: ≥3000MΩ

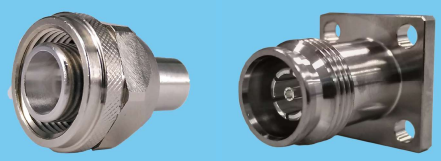
Dielectric strength: 1500V(rms)

Contact resistance: Center content: ≤2.5mΩ
Outer contact: ≤1.5mΩ

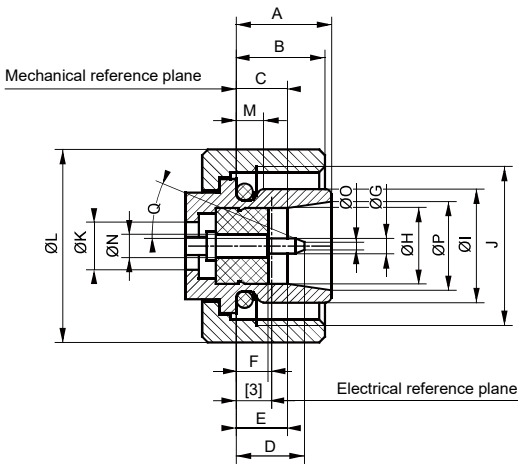
Mechanical endurance: 100 OPS

IMPLEMENTATION CRITERIA

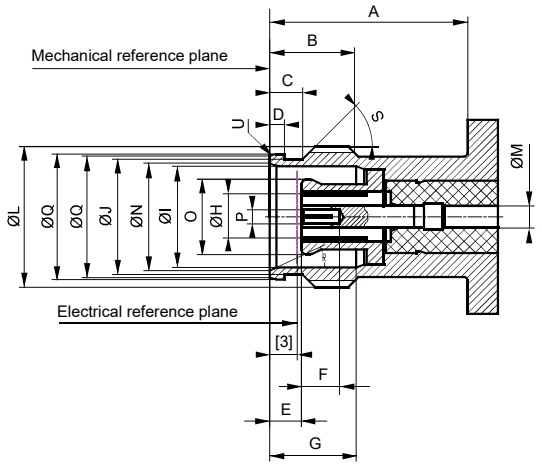
IEC 61169-66



INTERFACE DIMENSIONS



2.2-5 Male connector



2.2-5 Female connector

Male connector

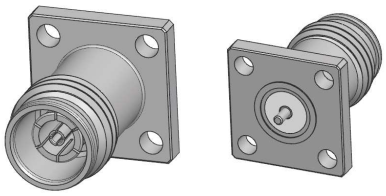
	Min(mm)	Max(mm)	Notes
A	T	8.5	
B	7.5	8	See NOTE 1
C	4	5	
D	-	6.2	
E	4.4	-	
F	-	2.9	See NOTE 2
G	1.32	1.37	
H	6.67	6.72	
I	9.98	10.02	
J	M14x1.0-6H		Internal thread
K	5.00 nominal		Impedance=50Ω
L	-	19.5	
M	-	2.5	
N	2.20 nominal		Impedance=50Ω
O	-	0.7	
P	7	8	
Q	20°nominal		
R	0.5 nominal		Radius

Note 1: Minimum size for threaded connection types only
Note 2: Suitable for both inner and outer conductors

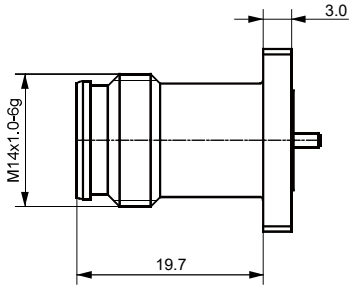
Female connector

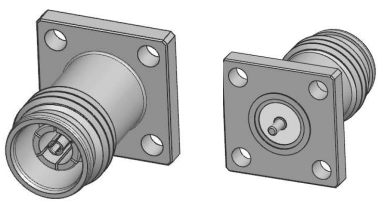
	Min(mm)	Max(mm)	Notes
A	9	-	
B	8.5	-	
C	1.7	1.9	
D	1.44	1.5	
E	3.1	3.35	See NOTE 1
F	3.5	-	
G	8.5	-	
H	5.00 nominal		Impedance=50Ω
I	10.05	10.1	
J	11.45	11.55	
K	12.45	12.55	
L	M14x1.0-6g		External thread
M	2.20 nominal		Impedance=50Ω
N	10.65	10.75	
O	-	7.5	See NOTE 2 and 3
P	-	-	See NOTE 3
Q	12.05	12.15	
R			
U	45° nominal		
S	1.0 nominal		Radius
T	1.0 nominal		Radius

Note 1: Suitable for both inner and outer conductors
Note 2: In unmatched situations
Note 3: Meet the elasticity requirements specified in the standard



2.2-5-KFD





2.2-5-KFD-1