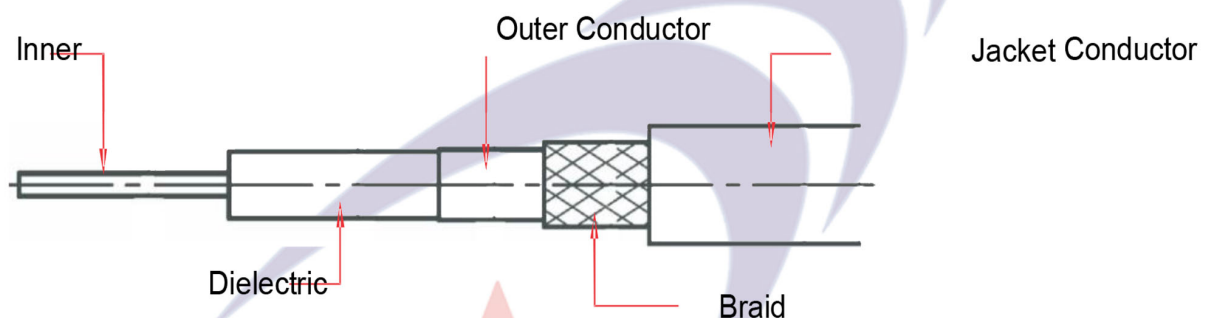


Connectors and Cable assemblies

TECHNICAL DATA SHEET

Low Loss Pre-Connectorized Cable Sets



Connectors Specifications

Specifications	SMA Connectors	N Connectors
Outer Conductor	Brass, Gold Plated	Brass, Nickel alloy plated
Center Conductor	Brass, Gold Plated	Brass, Gold Plated
Insulation	PTFE	PTFE
Gasket	Silicone Rubber	Silicone Rubber
Nominal Impedance	50	
Frequency range	DC~6 GHz	DC~6 GHz
Mating/Un mating	500 operations	500 operations

Connectors and Cable assemblies

TECHNICAL DATA SHEET

Specifications for Flexible Low Loss Cable Assemblies

Connector 1 Connector 2

- Should be flexible and bendable, easily routable and non-kink type

Cable Electrical Specifications

- Frequency of Usage : DC~ 6 GHz
- Shielding Effectiveness : 90 dB or better
- Velocity of Propagation > 78 %
- Impedance : 50 ohms
- Capacitance : 83.3 pF /m
- Power (Average) : > 210 Watt @ 1 GHz
> 160 Watt @ 2 GHz
> 130 Watt @ 3 GHz
- Loss : < 0.25 dB/meter @ 1 GHz
< 0.40 dB/meter @ 2 GHz
< 0.50 dB/meter @ 3 GHz
- VSWR : < 1.35 (DC~6 GHz) for straight connectors

Cable Construction

- Centre conductor : Solid Copper
- Dielectric : Foamed Polyethylene
- Outer conductor : Aluminium Tape
- Overall braid : Tinned Cooper
- Jacket : Black PE
- Strain Relief : Reliable strain relief at the cable to connector joint should be provided. A double strain relief with progressive stress distribution is preferred

Cable Mechanical and Environmental Specifications

- Outer Diameter : < 6.2 mm
- Bending Radius (static) : < 20 mm
- Bending Radius (repeated) : < 64 mm
- Working Temperature : -40°C to + 85 °C

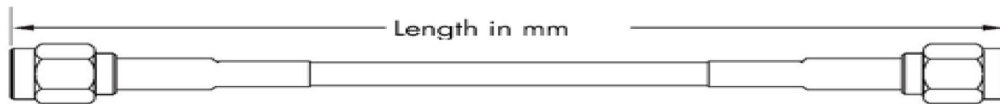
Connectors Specifications

- Attachment Method: Inner Solder, Outer Crimp
- Frequency Range: DC~6 GHz
- Material: Brass with Nickel alloy plating

TECHNICAL DATA SHEET

1. SMA STRAIGHT PLUG TO SMA STRAIGHT PLUG CABLE ASSEMBLIES

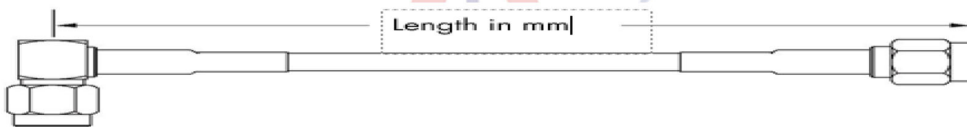
S. No	Connector 1	Connector 2	Impedance
1.	SMA Straight Plug	SMA Straight Plug	50 Ohm
2.	SMA Straight Plug	SMA Straight Plug	50 Ohm
3.	SMA ST Plug Crimp	SMA ST Plug Crimp	50 Ohm
4.	SMA Straight Plug	SMA Straight Plug	50 Ohm
5.	SMA SR Plug	SMA SR Plug	50 Ohm



Note: - Cable Type: 1.13mm Dia to 5mm Dia cables

2. SMA STRAIGHT PLUG TO SMA RIGHT ANGLE PLUG CABLE ASSEMBLIES

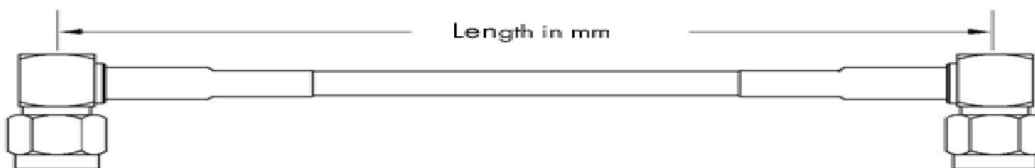
S. No	Connector 1	Connector 2	Impedance
1.	SMA R/A Plug	SMA Straight Plug	50 Ohm
2.	SMA R/A Plug	SMA Straight Plug	50 Ohm
3.	SMA R/A PLG	SMA ST Plug Crimp	50 Ohm
4.	SMA R/A Plug	SMA Straight Plug	50 Ohm
5.	SMA R/A Crimp Plug	SMA SR Plug	50 Ohm



Note: - Cable Type: 1.13mm Dia to 5mm Dia cables

3. SMA RIGHT ANGLE PLUG TO SMA RIGHT ANGLE PLUG CABLE ASSEMBLIES

S. No	Connector 1	Connector 2	Impedance
1.	SMA R/A Plug	SMA R/A Plug	50 Ohm
2.	SMA R/A Plug	SMA R/A Plug	50 Ohm
3.	SMA R/A PLG	SMA R/A PLG	50 Ohm
4.	SMA R/A Plug	SMA R/A Plug	50 Ohm
5.	SMA R/A Crimp Plug	SMA R/A Crimp Plug	50 Ohm

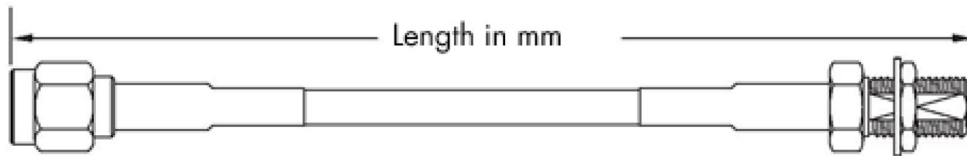


Note: - Cable Type: 1.13mm Dia to 5mm Dia cables

TECHNICAL DATA SHEET

4. SMA STRAIGHT PLUG TO SMA BULKHEAD JACK CABLE ASSEMBLIES

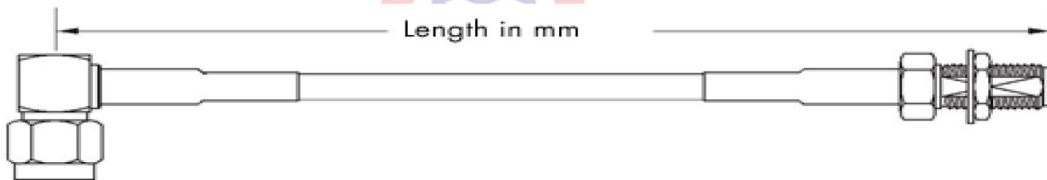
S. No	Connector 1	Connector 2	Impedance
1.	SMA BLHD JCK	SMA Straight Plug	50 Ohm
2.	SMA BLHD JCK	SMA Straight Plug	50 Ohm
3.	SMA Straight Crimp Jack	SMA ST Plug Crimp	50 Ohm
4.	SMA Straight Crimp Jack	SMA Straight Plug	50 Ohm
5.	SMA Straight Crimp Jack	SMA SR Plug	50 Ohm



Note: - Cable Type: 1.13mm Dia to 5mm Dia cables

5. SMA RIGHT ANGLE PLUG TO SMA BULKHEAD JACK CABLE ASSEMBLIES

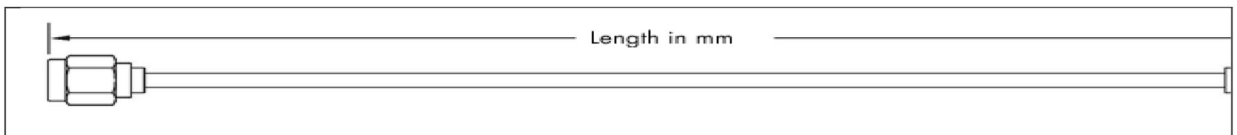
S. No	Connector 1	Connector 2	Impedance
1.	SMA BLHD JCK	SMA R/A Plug	50 Ohm
2.	SMA BLHD JCK	SMA R/A Plug	50 Ohm
3.	SMA Straight Crimp Jack	SMA R/A PLG	50 Ohm
4.	SMA Straight Crimp Jack	SMA R/A Plug	50 Ohm
5.	SMA Straight Crimp Jack	SMA R/A Crimp Plug	50 Ohm



Note: - Cable Type: 1.13mm Dia to 5mm Dia cables

6. SMA STRAIGHT PLUG TO SMA STRAIGHT PLUG CABLE ASSEMBLIES

S. No	Connector 1	Connector 2	Impedance
1.	SMA STRAIGHT PLUG	SMA STRAIGHT PLUG	50 Ohm
2.	SMA STRAIGHT PLUG	SMA STRAIGHT PLUG	50 Ohm

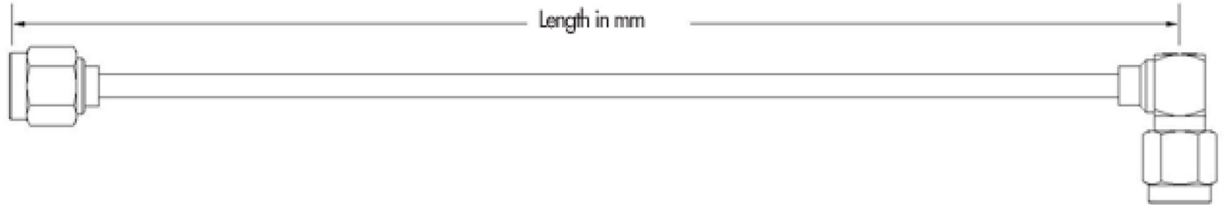


Note: - Cable Type: 1.13mm Dia to 5mm Dia cables

TECHNICAL DATA SHEET

7. SMA STRAIGHT PLUG TO SMA RIGHT ANGLE PLUG CABLE ASSEMBLIES

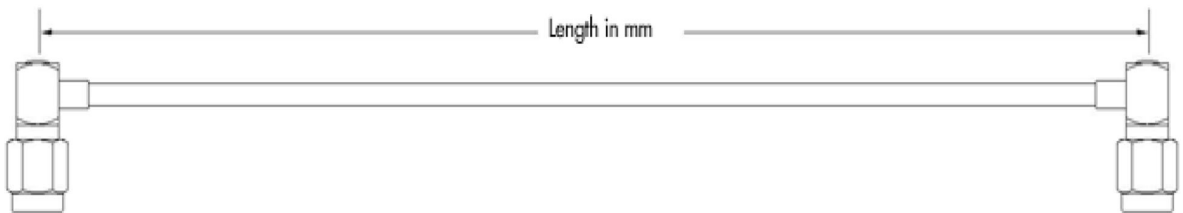
S. No	Connector 1	Connector 2	Impedance
1.	SMA STRAIGHT PLUG	SMA RIGHT ANGLE PLUG	50 Ohm
2.	SMA STRAIGHT PLUG	SMA RIGHT ANGLE PLUG	50 Ohm



Note: - Cable Type: 1.13mm Dia to 5mm Dia cables

8. SMA RIGHT ANGLE PLUG TO SMA RIGHT ANGLE PLUG CABLE ASSEMBLIES

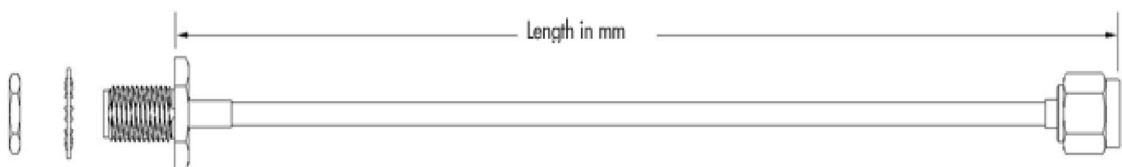
S. No	Connector 1	Connector 2	Impedance
1.	SMA RIGHT ANGLE PLUG	SMA RIGHT ANGLE PLUG	50 Ohm
2.	SMA RIGHT ANGLE PLUG	SMA RIGHT ANGLE PLUG	50 Ohm



Note: - Cable Type: 1.13mm Dia to 5mm Dia cables

9. SMA STRAIGHT PLUG TO SMA BULKHEAD JACK CABLE ASSEMBLIES

S. No	Connector 1	Connector 2	Impedance
1.	SMA BULKHEAD PLUG	SMA STRAIGHT PLUG	50 Ohm
2.	SMA BULKHEAD PLUG	SMA STRAIGHT PLUG	50 Ohm

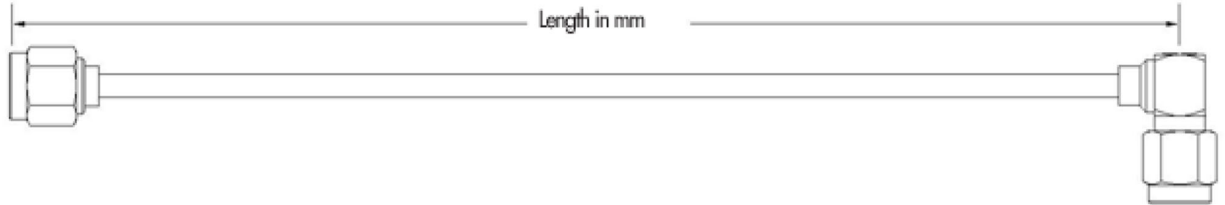


Note: - Cable Type: 1.13mm Dia to 5mm Dia cables

TECHNICAL DATA SHEET

7. SMA STRAIGHT PLUG TO SMA RIGHT ANGLE PLUG CABLE ASSEMBLIES

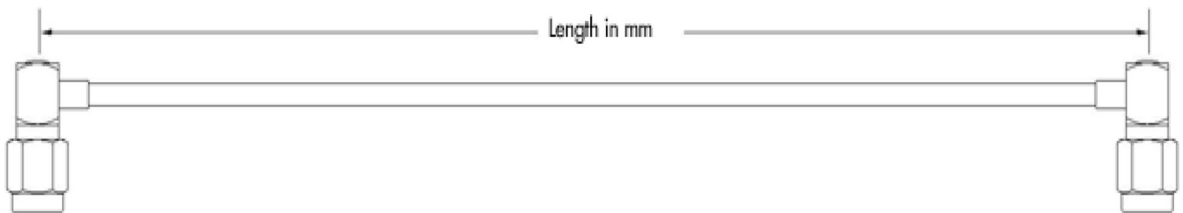
S. No	Connector 1	Connector 2	Impedance
1.	SMA STRAIGHT PLUG	SMA RIGHT ANGLE PLUG	50 Ohm
2.	SMA STRAIGHT PLUG	SMA RIGHT ANGLE PLUG	50 Ohm



Note: - Cable Type: 1.13mm Dia to 5mm Dia cables

8. SMA RIGHT ANGLE PLUG TO SMA RIGHT ANGLE PLUG CABLE ASSEMBLIES

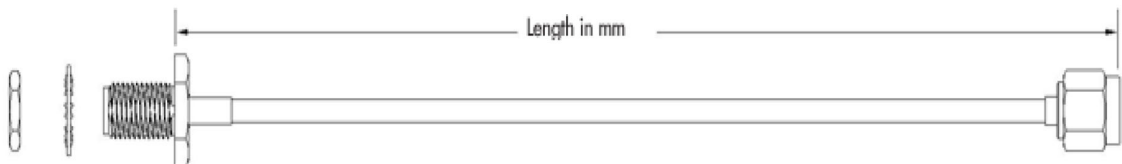
S. No	Connector 1	Connector 2	Impedance
1.	SMA RIGHT ANGLE PLUG	SMA RIGHT ANGLE PLUG	50 Ohm
2.	SMA RIGHT ANGLE PLUG	SMA RIGHT ANGLE PLUG	50 Ohm



Note: - Cable Type: 1.13mm Dia to 5mm Dia cables

9. SMA STRAIGHT PLUG TO SMA BULKHEAD JACK CABLE ASSEMBLIES

S. No	Connector 1	Connector 2	Impedance
1.	SMA BULKHEAD PLUG	SMA STRAIGHT PLUG	50 Ohm
2.	SMA BULKHEAD PLUG	SMA STRAIGHT PLUG	50 Ohm

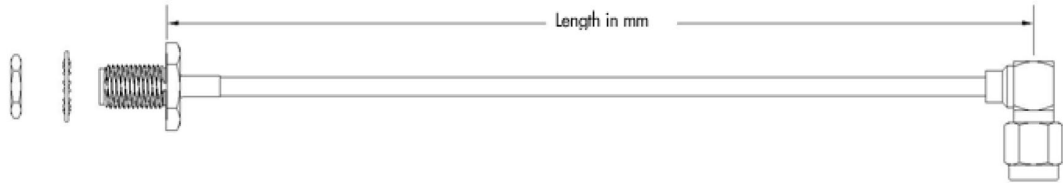


Note: - Cable Type: 1.13mm Dia to 5mm Dia cables

TECHNICAL DATA SHEET

10. SMA RIGHT ANGLE PLUG TO SMA BULKHEAD JACK CABLE ASSEMBLIES

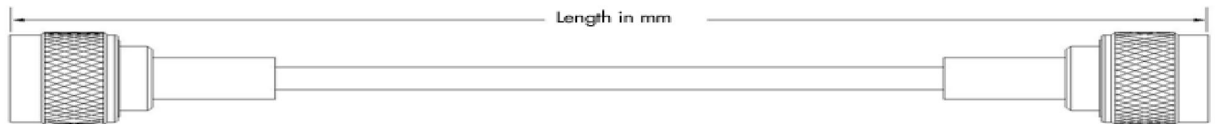
S. No	Connector 1	Connector 2	Impedance
1.	SMA STRAIGHT SOLDER JACK	SMA RIGHT ANGLE PLUG	50 Ohm
2.	SMA BULK HEAD PLUG	SMA RIGHT ANGLE PLUG	50 Ohm



Note: - Cable Type: 1.13mm Dia to 5mm Dia cables

11. N STRAIGHT PLUG TO N STRAIGHT PLUG CABLE ASSEMBLIES

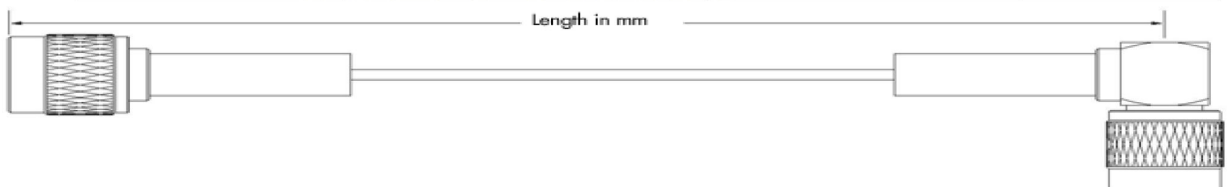
S. No	Connector 1	Connector 2	Impedance
1.	N STRAIGHT CRIMP PLUG	N STRAIGHT CRIMP PLUG	50 Ohm
2.	N STRAIGHT PLUG	N STRAIGHT PLUG	50 Ohm
3.	N STRAIGHT CRIMP PLUG	N STRAIGHT CRIMP PLUG	50 Ohm



Note: - Cable Type: 2mm Dia to 10mm Dia cables

12. N STRAIGHT PLUG TO N RIGHT ANGLE PLUG CABLE ASSEMBLIES

S. No	Connector 1	Connector 2	Impedance
1.	N STRAIGHT CRIMP PLG	N R/A CRIMP PLUG	50 Ohm
2.	N STRAIGHT PLUG	N RIGHT ANGLE PLUG STD CABLE CRIMP	50 Ohm

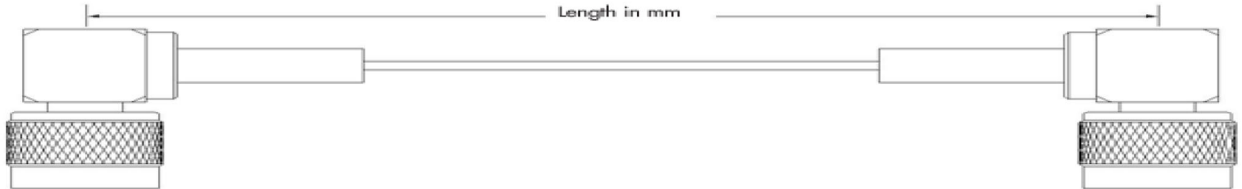


Note: - Cable Type: 2mm Dia to 10mm Dia cables

TECHNICAL DATA SHEET

13. N RIGHT ANGLE PLUG TO N RIGHT ANGLE PLUG CABLE ASSEMBLIES

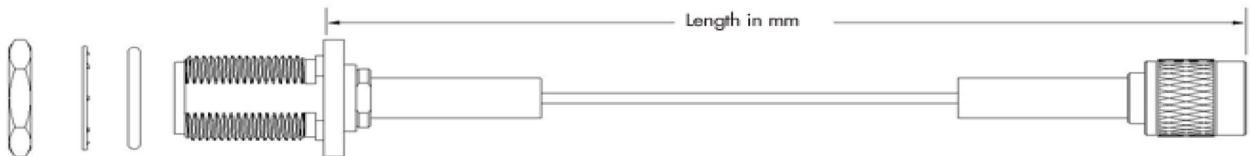
S. No	Connector 1	Connector 2	Impedance
1.	N R/A CRIMP PLG	N R/A CRIMP PLUG	50 Ohm
2.	N RIGHT ANGLE PLUG STD CABLE CRIMP	N RIGHT ANGLE PLUG STD CABLE CRIMP	50 Ohm



Note: - Cable Type: 2mm Dia to 10mm Dia cables

14. N STRAIGHT PLUG TO N BULKHEAD JACK CABLE ASSEMBLIES

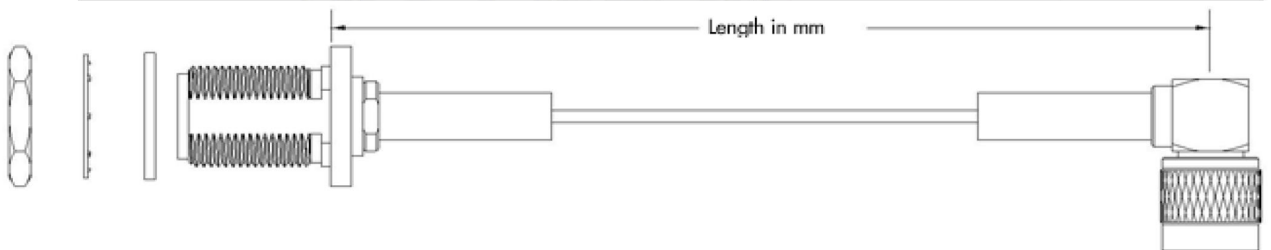
S. No	Connector 1	Connector 2	Impedance
1.	N BULKHEAD JACK	N STRAIGHT CRIMP PLG	50 Ohm
2.	N ST JACK BULKHEAD CABLE CRIM	N STRAIGHT PLUG	50 Ohm



Note: - Cable Type: 2mm Dia to 10mm Dia cables

15. N RIGHT ANGLE PLUG TO N BULKHEAD JACK CABLE ASSEMBLIES

S. No	Connector 1	Connector 2	Impedance
1.	N BULKHEAD JACK	N R/A CRIMP PLG	50 Ohm
2.	N ST JACK BULKHEAD CABLE CRIM	N RIGHT ANGLE PLUG STD CABLE CRIMP	50 Ohm



Note: - Cable Type: 2mm Dia to 10mm Dia cables