

SMA REVERSE POLARITY CONNECTOR SPECIFICATIONS

FEATURES :

- With a reversed interface
- Plugs have female contacts, Jacks have male contacts
- Available in 50Ω only

APPLICATIONS :

- Antennas
- Cable Assembly
- GPS
- WLAN
- Spread Spectrum Wireless

ELECTRICAL SPECIFICATIONS

Impedance	50 Ω
Frequency Range	0 – 12.4 GHz (flexible cable) 0 – 18 GHz (semi-rigid cable)
Working Voltage	≤ 375 VRMS
Dielectric Withstanding Voltage	1000 VRMS
VSWR	Straight : 1.15 max Right Angle : 1.2 max
Insulator Resistance	5000 MΩ min.

MATERIAL SPECIFICATIONS

Body and outer contacts	Brass, nickel or gold plated
Male contact	Brass, gold plated
Female contact	Beryllium Copper, gold plated
Insulator	PTFE
Crimp ferrule	Copper or brass, nickel or gold plated

MECHANICAL SPECIFICATIONS

Coupling mating torque	7 – 15 in-lbs
Cable Retention	60 lbs min. (flexible cable) 80 lbs min. (semi-rigid cable)
Durability (matings)	500 cycles min.

ENVIRONMENTAL

Compliant with the requirements for RoHS Directive 2001/65/eu issued June 8, 2011	
Temperature range	-65°C to +165°C

SMA REVERSE POLARITY DIMENSIONS

PLUG		
Letter	Millimeters	
	Minimum	Maximum
A	2.54	3.43
B	1.24	1.30
C	4.53	4.59
D	6.35	6.73
E	0.00	0.25
F	0.00	0.25
G	2.92	-

JACK		
Letter	Millimeters	
	Minimum	Maximum
A	5.54	-
B	4.32	-
C	0.38	1.14
D	5.28	5.49
E	4.60	4.67
F	0.90	0.94
G	0.00	0.38
H	1.24	1.30
J	0.00	0.25
K	0.00	0.25
L	1.88	1.98

Note 1 : I.D. to meet VSWR and contact resistance when mated with 0.9/0.94 mm dia. pin.

INTERFACE MATING DIMENSIONS

