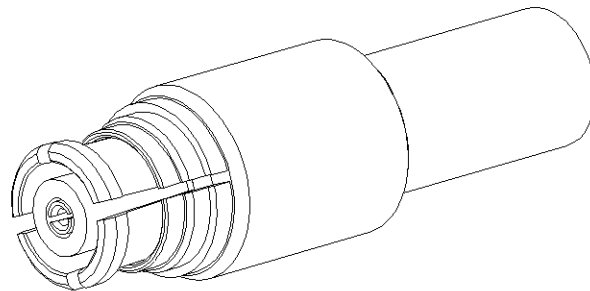
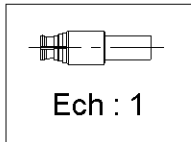
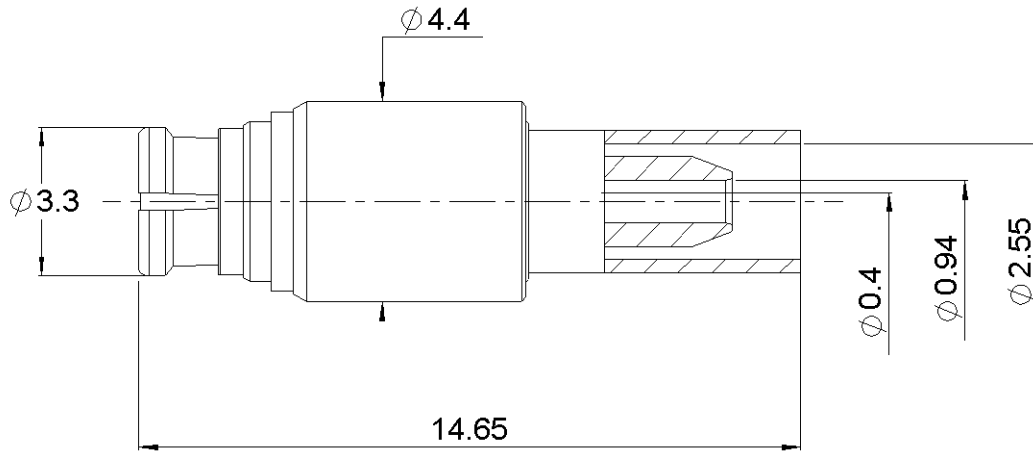


STRAIGHT PLUG FULL CRIMP TYPE

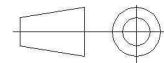
CABLE 2/50 S

R222.900.100

Series : SMP-COM



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (µm)
BODY	BRASS	NPGR
CENTER CONTACT	BERYLLIUM COPPER	NPGR
OUTER CONTACT	BERYLLIUM COPPER	NPGR
INSULATOR	PTFE	
GASKET	-	
OTHERS PARTS	BRASS	OR 0.2 SUR NICKEL 2
-	-	-
-	-	-

Issue : 0850 A

In the effort to improve our products, we reserve the right to make changes judged to be necessary.



STRAIGHT PLUG FULL CRIMP TYPE

CABLE 2/50 S

R222.900.100

Series : SMP-COM

PACKAGING

Standard	Unit	Other
100	'W' option	Contact us

ELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency	0-12.4*	GHz
VSWR	1.15** + 0,0000	x F(GHz) Maxi
Insertion loss	0.12	$\sqrt{F}$ (GHz) dB Maxi
RF leakage	- (55***	- F(GHz)) dB Maxi
Voltage rating	250	Veff Maxi
Dielectric withstanding voltage	750	Veff mini
Insulation resistance	5000	M Ω mini

MECHANICAL CHARACTERISTICS

Center contact retention	
Axial force – Mating end	6.8 N mini
Axial force – Opposite end	6.8 N mini
Torque	NA N.cm mini

Recommended torque	
Mating	N.cm
Panel nut	N.cm
Clamp nut	N.cm
A/F clamp nut	0,0000 mm

Mating life	100 Cycles mini
Weight	0,8800 g

ENVIRONMENTAL

Operating temperature	-55/+125 °C
Hermetic seal	NA Atm.cm3/s
Panel leakage	NA

SPECIFICATIONCABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	2,50	5,00	9,00	0,00	6,50	0,00

Assembly instruction : **Crimp 02**

Recommended cable(s)
RG 196
RG 178

Characteristics indicated on this data sheet are those that can be achieved with the highest performance cable. Intrinsic limitations of the cable may diminish the performance of the assembly

Cable retention

- pull off	35 N mini
- torque	NA N.cm

TOOLING

Part Number	Description	Hexagon
.	.	.
R282.967.091	POSITIONER FOR CRIMPING TOOL	-
R282.211.000	CRIMPING TOOL	2.67
R282.235.003	CRIMPING DIES M22520/5-03	2.67
R282.281.000	CRIMPING TOOL	2x4 (pos 2)
R282.293.000	CRIMPING TOOL M22520/5-01	-

OTHER CHARACTERISTICS

*ROS: 1.35 at 12.4GHz
** ROS at 6GHz
***RF Leakage : -40dB min 3<F<6GHz

Issue : 0850 A

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

**RADIALL**®

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Radial:

R222900100