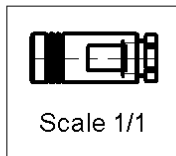
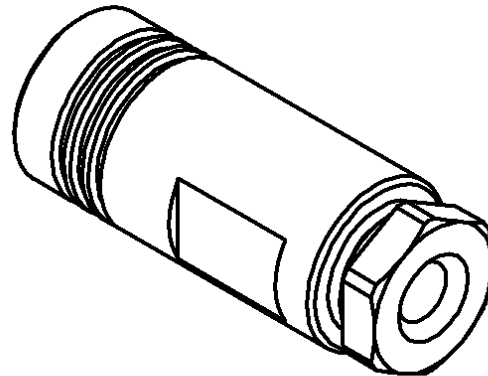
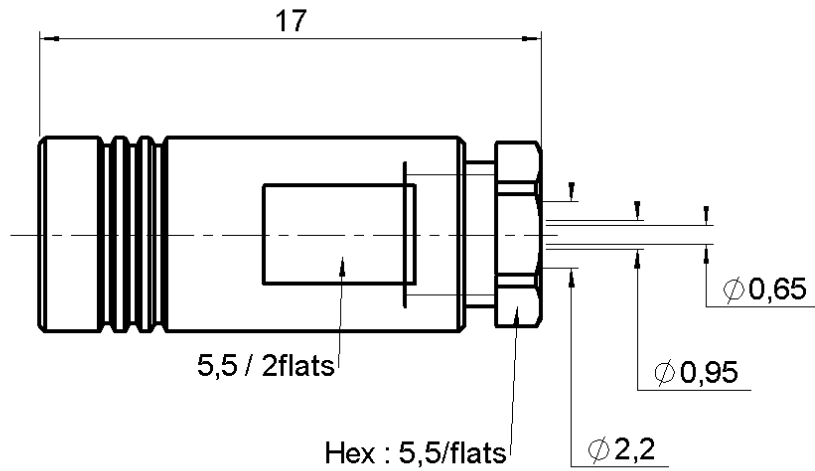


STRAIGHT PLUG CLAMP TYPE

CABLE 2/50 S

R114.003.133

Series : SMB



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATINGS (μm)
BODY	BRASS	GOLD 0.2 OVER NICKEL 2
CENTER CONTACT	BERYLLIUM COPPER	GOLD 1.3 OVER NICKEL 2
OUTER CONTACT	BERYLLIUM COPPER	GOLD 0.5 OVER NICKEL 2
INSULATOR	PTFE	
GASKET	-	
OTHERS PARTS	BRASS	GOLD 0.2 OVER NICKEL 2
-	-	-
-	-	-

Issue : 0039 B

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



STRAIGHT PLUG CLAMP TYPE**CABLE 2/50 S****R114.003.133**

Series : SMB

PACKAGING

Standard	Unit	Other
100	'W' option	Contact us

ELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency	0-4	GHz
VSWR	1.30 + 0.040	x F(GHz) Maxi
Insertion loss	0.25	$\sqrt{F}$ (GHz) dB Maxi
RF leakage	- (57	- F(GHz)) dB mini
Voltage rating	250	Veff Maxi
Dielectric withstanding voltage	750	Veff mini
Insulation resistance	1000	M Ω mini

MECHANICAL CHARACTERISTICS

Center contact retention	
Axial force – Mating end	10 N mini
Axial force – Opposite end	10 N mini
Torque	NA N.cm mini

Recommended torque	
Mating	NA N.cm
Panel nut	NA N.cm
Clamp nut	70 N.cm
A/F clamp nut	5.500 mm

Mating life	500 Cycles mini
Weight	3.000 g

ENVIRONMENTAL

Operating temperature	-65/+165 °C
Hermetic seal	NA Atm.cm3/s
Panel leakage	NA

SPECIFICATION**CABLE ASSEMBLY**

Stripping	a	b	c	d	e	f
mm	2.00	1.00	4.00	3.20	2.00	0.00

Assembly instruction :

Recommended cable(s)

RG 178
RG 196
RG 178 LC
KX 21

Cable retention

- pull off	58 N mini
- torque	3.9 N.cm

TOOLING

Part Number	Description	Hexagon
.	.	.

OTHERS CHARACTERISTICS

-

Issue : 0039 B

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



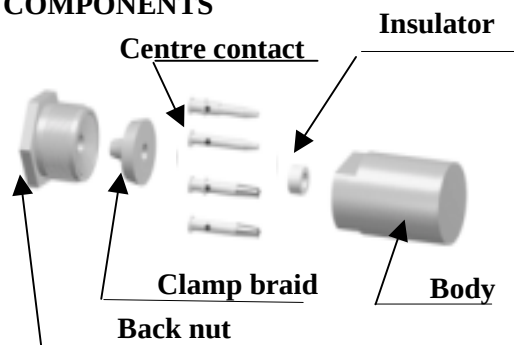
STRAIGHT PLUG CLAMP TYPE

R114.003.133

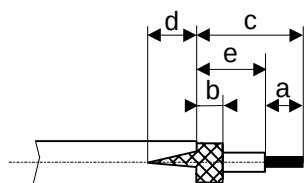
CABLE 2/50 S

Series : SMB

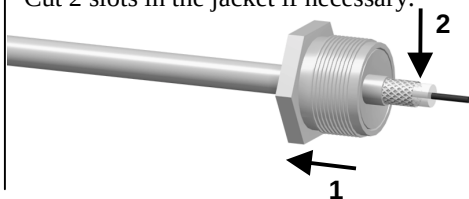
COMPONENTS



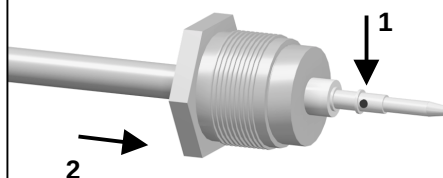
STRIPPING DIMENSIONS

**1**

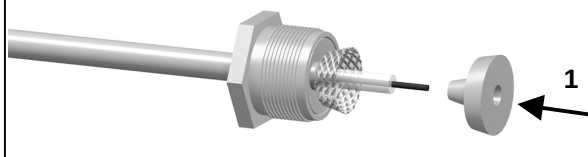
Slide the back nut onto the cable.
Strip the cable.
Cut 2 slots in the jacket if necessary.

**4**

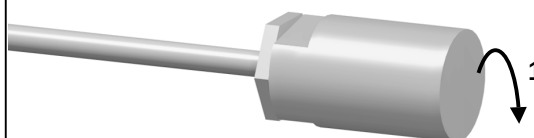
Solder the centre contact onto the inner conductor.
Slide the back nut over the cable assembly.

**2**

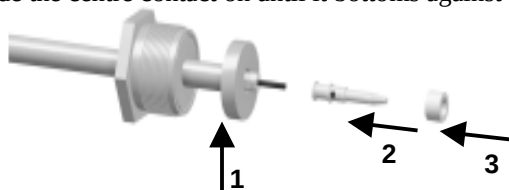
Slide the clamp braid sleeve between the cable dielectric and the braid.

**5**

Screw sub-assembly into the connector body with the adapted wrench.

**3**

Cut the braid flush with the clamp braid sleeve.
Slide the spacer onto the cable.
Slide the centre contact on until it bottoms against the cable dielectric.



Issue : 0039 B

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



Mouser Electronics

Authorized Distributor

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

Radial:

[R114003133](#)