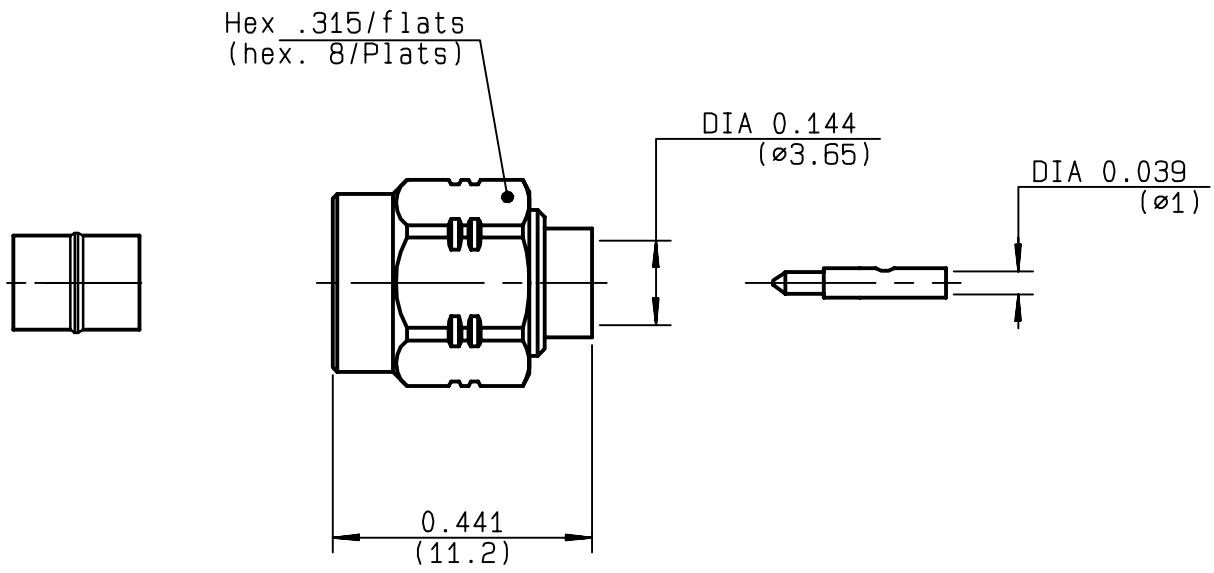
STRAIGHT PLUG SOLDER TYPE
CABLE .141

R124.055.003
SERIES SMA-COM



NOMINAL IMPEDANCE	50	Ω
FREQUENCY RANGE	0-18	GHz
TEMPERATURE RATING	-65/+105	°C
V.S.W.R	1.05 + .01 x F(GHz)	Maxi
RF INSERTION LOSS	0.05 √F(GHz)	dB Maxi
VOLTAGE RATING	500	Veff Maxi
DIELECTRIC WITHSTANDING VOLTAGE	1000	Veff Mini
INSULATION RESISTANCE	5000	MΩMini
HERMETIC SEAL	NA	$Atm.cm^3/s$
LEAKAGE (pressurized only)	NA	
MECHANICAL DURABILITY	100	Cycles
WEIGHT	2.3	gr
SPECIFICATION		

CABLES : **KS 2**
RG 402

OTHERS CHARACTERISTICS

CABLE RETENTION	270	N Mini
CENTER CONTACT RETENTION		
Axial force - mating end	NA	N Mini
Axial force - opposite end	NA	N Mini
Torque	NA	cm.N Mini
RECOMMENDED TORQUES		
Mating	60	cm.N
Panel nut	NA	cm.N
Clamp nut	NA	cm.N

CONNECTOR PARTS	MATERIALS	FINISH (all values are given in micrometers)
BODY	STAINLESS STEEL	GOLD 0.2 OVER NICKEL 2
OUTER CONTACT		
CENTER CONTACT	BRASS	GOLD 1.3 OVER COPPER 2.5
INSULATOR	PTFE	-
GASKET	SILICONE RUBBER	-
OTHERS PIECES	BRASS	GOLD 0.2 OVER NICKEL 2

ISSUE	CREATION DATE	FILE PART-NUMBER
9901B00	16/07/1996	96-1200-061

TRIQUES

RADIALL®

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Design changes may be in order to improve the product .

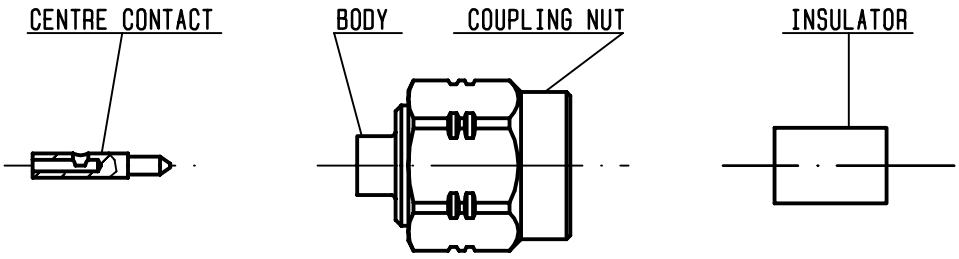
Connect to the future

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RADIALL®

R124.055.003

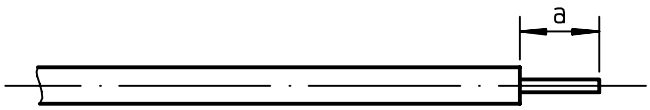
ISSUE 9901B00 SERIES SMA-COM



We recommend a cable thermal preconditionning before assembling

①

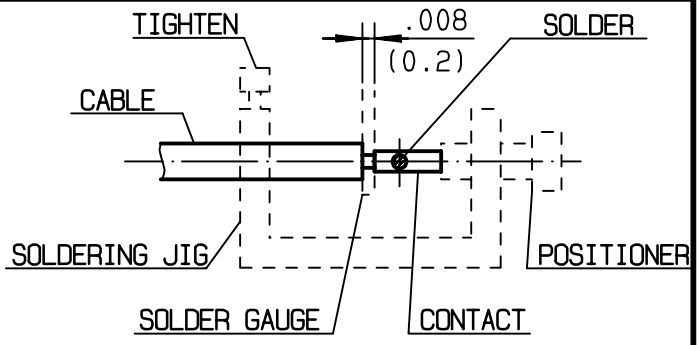
Strip the dielectric of the cable .
Stripping tool cable : R 282 053 000.
Trimmer : R 282 067 000 .
Clean the cable .
-



Stripping	a	b	c	d	e
inch	0.125	0	0	0	0
mm	3.17				

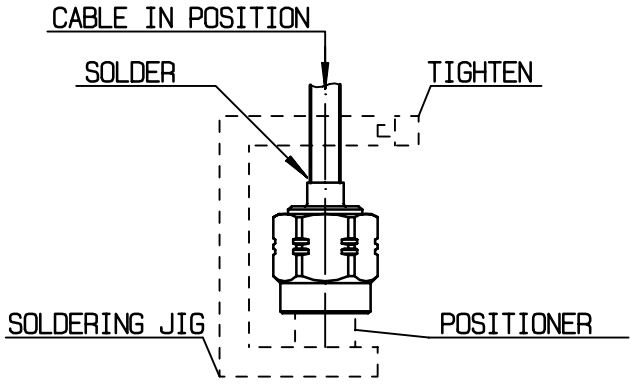
②

Screw the positioner R 282 744 220 onto the soldering jig R 282 740 000 .
Slide contact into positioner .
Insert solder gauge R 282 862 060 (62) between contact and cable .
Tighten and solder the contact .



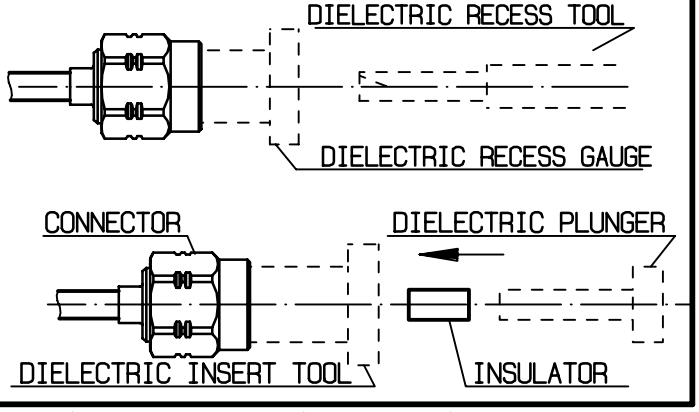
③

After cooling remove cable assembly from the jig .
Screw positioner R 282 744 061 (87) into the connector .
Slide cable into the connector until it bottoms againts positioner .
Tighten .
Put 3 rings of solder around the cable and solder .



④

After cooling remove cable assembly from the jig .
Screw dielectric recess gauge R282 914 000(93) and trim dielectric with the dieletric recess tool R 282 915 010.
Screw female dielectric insert tool onto connector and insert insulator with the dielectric plunger R 282 730 040 .



TRIQUES

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