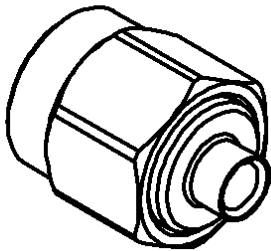
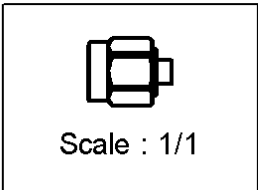
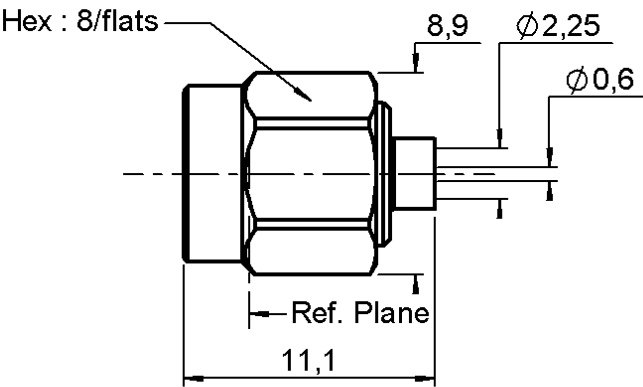
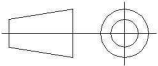


PAGE 1/2	ISSUE 1427C	SERIES SMA	PART NUMBER R125052002
----------	-------------	------------	------------------------



CECC 22111-802-04

All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (µm)
Body	STAINLESS STEEL	GOLD 0.5 OVER NICKEL 2
Center contact	BRASS	GOLD 1.3 OVER NICKEL2
Outer contact	-	-
Insulator	PTFE	
Gasket	SILICONE RUBBER	
Others parts	STAINLESS STEEL	PASSIVATED.
-	-	-
-	-	-

PAGE **2/2**

ISSUE **1427C**

SERIES **SMA**

PART NUMBER **R125052002**

## PACKAGING

Standard	Unit	Other
<b>100</b>	<b>Contact us</b>	<b>Contact us</b>

## ELECTRICAL CHARACTERISTICS

Impedance	<b>50</b>	$\Omega$
Frequency	<b>0-27</b>	GHz
VSWR	<b>1.07 + 0,0080</b>	x F(GHz) Maxi
Insertion loss	<b>0.03</b>	$\sqrt{F}$ (GHz) dB Maxi
RF leakage	<b>90</b>	- F(GHz)) dB Maxi
Voltage rating	<b>335</b>	Veff Maxi
Dielectric withstanding voltage	<b>750</b>	Veff mini
Insulation resistance	<b>5000</b>	M $\Omega$ mini

## MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating End	<b>NA</b>	N mini
Axial force – Opposite end	<b>NA</b>	N mini
Torque	<b>NA</b>	N.cm mini
Recommended torque		
Mating	<b>100</b>	N.cm
Panel nut	<b>NA</b>	N.cm
Clamp nut	<b>NA</b>	N.cm
A/F clamp nut	<b>0,0000</b>	mm
Mating life	<b>500</b>	Cycles mini
Weight	<b>2,3000</b>	g

## ENVIRONMENTAL

Operating temperature	<b>-65/ 165</b>	$^{\circ}\text{C}$
Hermetic seal	<b>NA</b>	Atm.cm3/s
Panel leakage	<b>NA</b>	

## SPECIFICATION

## CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	<b>3,17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Assembly instruction: **Solder 01**

Recommended cable(s)

**RG 405**  
**KS 1**

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	<b>130</b>	N mini
- torque	<b>NA</b>	N.cm

## TOOLING

Part Number	Description	Hexagon
R282120010	SMA TOOLBOX	
R282051000	STRIPPING TOOL	
R282063000	POINTER GAUGE	
R282730040	INSULATOR MOUNTING TOOL	
R282740000	SOLDERING MOUNTING	
R282744060	SOLDERING POSITIONER (BODY)	
R282744220	SOLDERING POSITIONER(CENTER CONTACT)	
R282862060	CONTROL GAUGE	
R282914000	CONTROLE GAUGE	
R282915010	DIELECTRIC RECESS TOOL	

## OTHER CHARACTERISTICS

# Mouser Electronics

Authorized Distributor

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

Radial:

[R125052002](#)