

# RF Coaxial Connectors (SMT), TC-2 Series <3GHz>



## Features

1. Small coaxial connector of SMT design.
2. The operating frequency ranges extensively from DC to 2GHz with good RF performance.
3. 2.8mm height when mated.
4. The plug's compatible coaxial cable is a standard teflon coaxial cable with an external diameter of  $\phi 1.25\text{mm}$ .
5. Embossed tapping for automatic mounter.
6. Both the central and external conductors are connected by crimping.

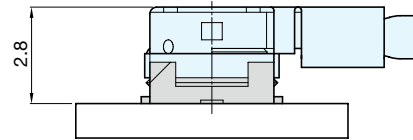
## Specification

1. Rating : AC 250V r.m.s.
2. Frequency Range : DC to 3GHz
3. Nominal Impedance :  $50\Omega$
4. V.S.W.R. : 1.2 max. (DC to 3GHz)
5. Operating Temperature Range :  $-40^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$

## Material and Plating

- Housing : Thermoplastic Resin
- Contact : Cu Alloy, Au Plating, Ag Plating, etc.

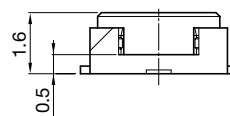
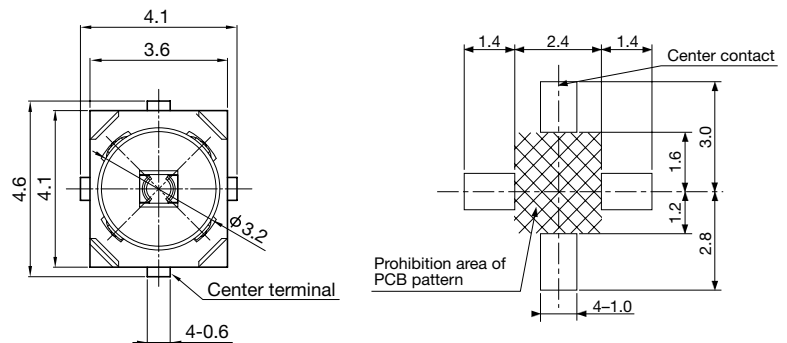
## Mating Diagram



## Receptacle

CRS5001-0201F

## P.C. Board Dimension



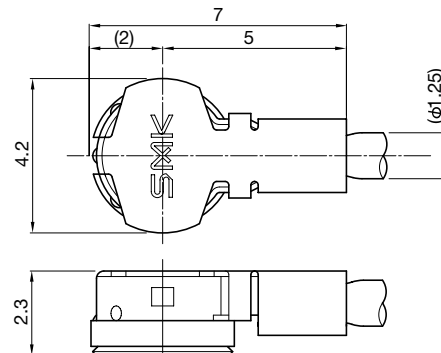
## Note

The dimension width of central lines such as microstrip line, etc. shall be set properly considering thickness, material, permittivity, etc. of PC board so that the characteristic impedance may become  $50\Omega$ .

Note 3,000pcs/reel

## Plug

CRC9001-0401F

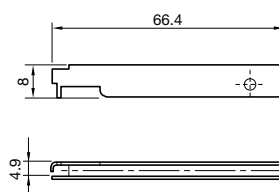


## Note

The specification of harness is corresponded upon request.

## Extraction Tool

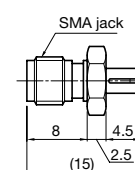
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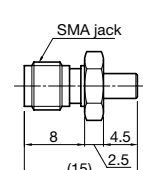
## Converting Adapters

CRS1001-0102F

CRC1001-0102F



For measurement of receptacle



For measurement of plug