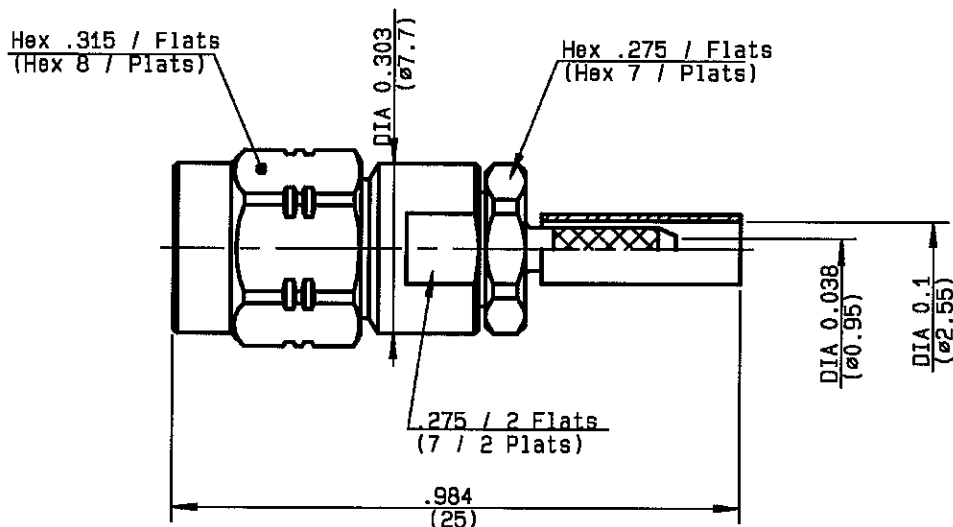


**STRAIGHT PLUG CRIMP TYPE**  
**CABLE 2/50 S**
**R124.069.120**  
**SERIES SMA-COM**


|                                 |                                        |
|---------------------------------|----------------------------------------|
| NOMINAL IMPEDANCE               | <b>50</b> $\Omega$                     |
| FREQUENCY RANGE                 | <b>0-12.4</b> GHz                      |
| TEMPERATURE RATING              | <b>-65/+165</b> °C                     |
| V.S.W.R                         | <b>*1.15</b> + <b>.02</b> x F(GHz)Maxi |
| RF INSERTION LOSS               | <b>0.05</b> $\sqrt{F}$ (GHz) dB Maxi   |
| VOLTAGE RATING                  | <b>170</b> Veff Maxi                   |
| DIELECTRIC WITHSTANDING VOLTAGE | <b>500</b> Veff Mini                   |
| INSULATION RESISTANCE           | <b>5000</b> M $\Omega$ Mini            |
| HERMETIC SEAL                   | <b>NA</b> Atm.cm <sup>3</sup> /s       |
| LEAKAGE (pressurized only)      | <b>NA</b>                              |
| MECHANICAL DURABILITY           | <b>100</b> Cycles                      |
| WEIGHT                          | <b>4.64</b> gr                         |
| SPECIFICATION                   |                                        |

CABLES : **KX 21**  
**RS 178**  
**RS 178 LC**  
**RS 196**

## OTHERS CHARACTERISTICS

\* VSWR max: up to 3 GHz

|                            |                     |
|----------------------------|---------------------|
| CABLE RETENTION            | <b>45</b> N Mini    |
| CENTER CONTACT RETENTION   |                     |
| Axial force - mating end   | <b>27</b> N Mini    |
| Axial force - opposite end | <b>27</b> N Mini    |
| Torque                     | <b>NA</b> cm.N Mini |
| RECOMMENDED TORQUES        |                     |
| Mating                     | <b>60</b> cm.N      |
| Panel nut                  | <b>NA</b> cm.N      |
| Clamp nut                  | <b>90</b> cm.N      |

| CONNECTOR PARTS | MATERIALS | FINISH                   | (all values are given )<br>in micrometers |
|-----------------|-----------|--------------------------|-------------------------------------------|
| BODY            | BRASS     | BBR 2                    |                                           |
| OUTER CONTACT   |           |                          |                                           |
| CENTER CONTACT  | BRASS     | GOLD 1.3 OVER COPPER 2.5 |                                           |
| INSULATOR       | PTFE      | -                        |                                           |
| GASKET          |           | -                        |                                           |
| OTHERS PIECES   | BRASS     | BBR 2                    |                                           |

**ISSUE**  
**0708C**
**CREATION DATE**  
**17/02/0098**
**FILE PART-NUMBER**  
**EPC 97-03**

**RADIALL®**

TRIGUES

The information given here is subject to change without notice.  
 Design changes may be in order to improve the product .

*Connect to the future*

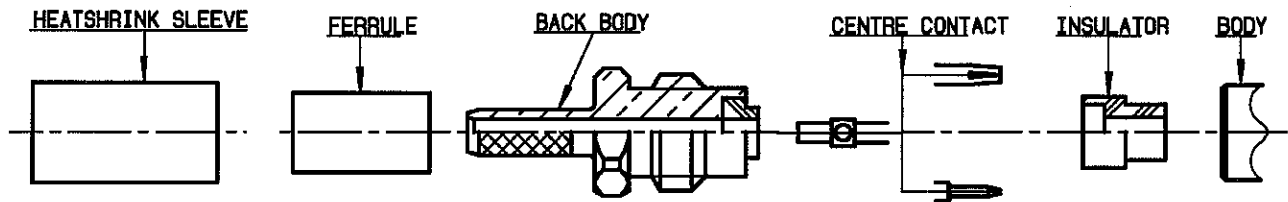

**R124.069.120**

ISSUE

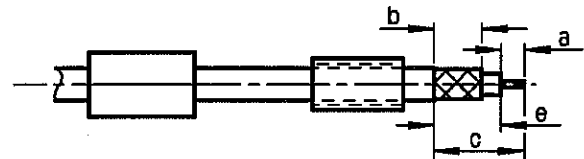
0708 C

SERIES

SMA-COM


**①**

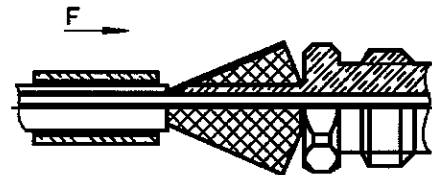
Slide heatshrink sleeve (R280.637.010-Option) and ferrule onto cable.  
Strip the cable .



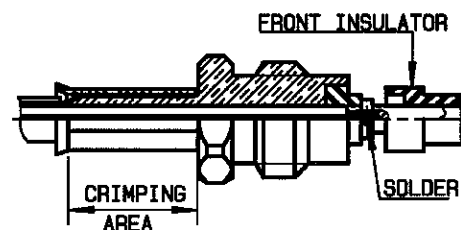
| Stripping | a     | b     | c     | d | e     |
|-----------|-------|-------|-------|---|-------|
| inch      | 0.138 | 0.276 | 0.531 | 0 | 0.394 |
| mm        | 3.5   | 7     | 13.5  |   | 10    |

**②**

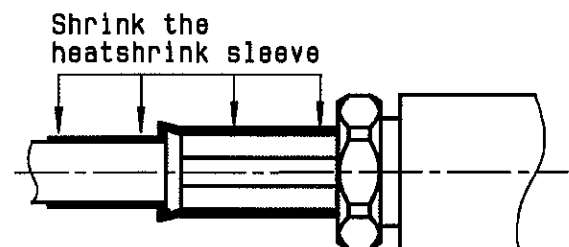
Fan the braid.  
Slide the back body between dielectric and braid.  
Slide ferrule over the braid  
(In direction F).


**③**

Crimp the ferrule with crimping tool R282.211.000 ( Hex. : .105 )(2.67) or crimping tool R282.293.000 ( M22520/5-01 ) + dies R282.235.003 ( M22520/5-03 )  
Cut excess of braid if necessary .  
Mount and solder the centre contact.  
Mount the front insulator.


**④**

Screw sub-assembly into the connector body.  
Recommended coupling torque: 90Ncm.  
Slide sleeve over ferrule and heatshrink in place (Option).



# Mouser Electronics

Authorized Distributor

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Radial:

[R124069120](#) [R124069120W](#)