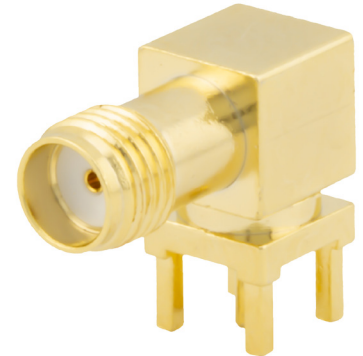


**MODEL:** RF-SMA-TH-RA-F-6-008 | **DESCRIPTION:** RF SMA CONNECTOR**FEATURES**

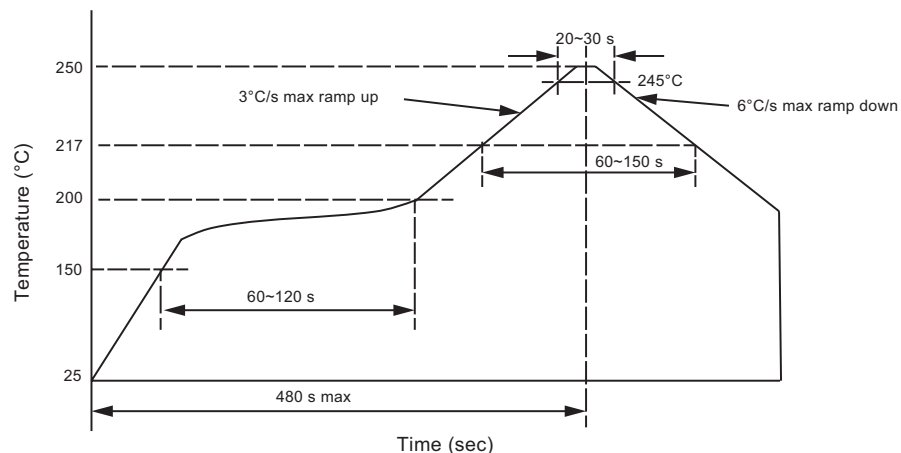
- frequency range 0~6 GHz
- character impedance 50  $\Omega$
- SMA connector type
- through hole

**SPECIFICATIONS**

| parameter                    | conditions/description                     | min   | typ   | max    | units                    |
|------------------------------|--------------------------------------------|-------|-------|--------|--------------------------|
| impedance                    |                                            |       | 50    |        | $\Omega$                 |
| frequency range              |                                            | 0     |       | 6      | GHz                      |
| VSWR                         |                                            |       |       | 1.3    |                          |
| working voltage              | at sea level                               |       | 335   |        | Vrms                     |
| insulation resistance        |                                            | 5,000 |       |        | M $\Omega$               |
| contact resistance           | center contact<br>outer contact            |       |       | 3<br>2 | m $\Omega$<br>m $\Omega$ |
| dielectric withstand voltage |                                            |       | 1,000 |        | V                        |
| mating torque                |                                            | 0.3   |       | 0.6    | N*m                      |
| life                         |                                            | 500   |       |        | cycles                   |
| operating temperature        |                                            | -55   |       | 165    | $^{\circ}\text{C}$       |
| standards                    | compliant with MIL-C-39012, CECC 22110/111 |       |       |        |                          |
| interface                    | MIL-STD-348                                |       |       |        |                          |
| RoHS                         | yes                                        |       |       |        |                          |

**SOLDERABILITY**

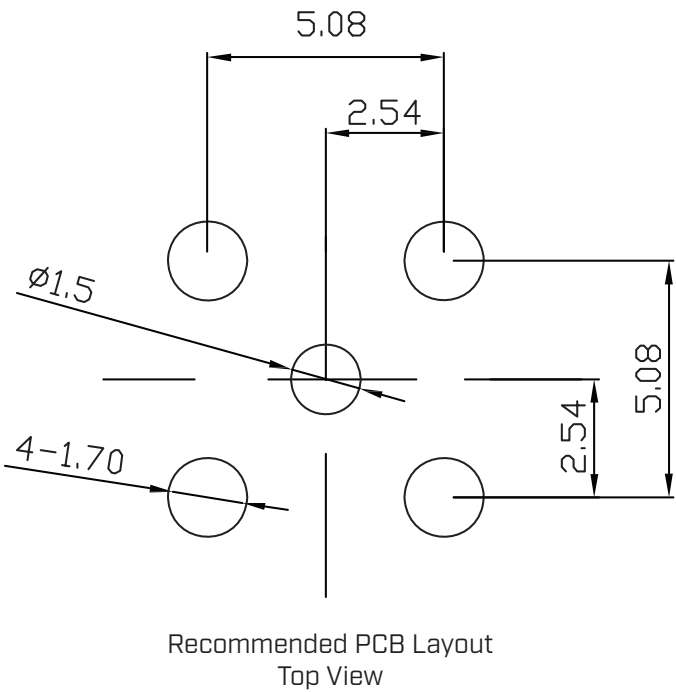
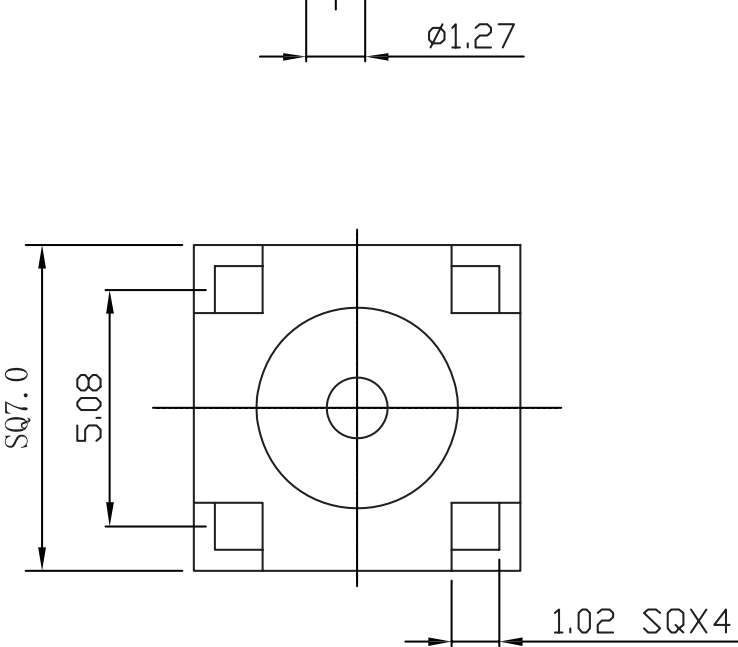
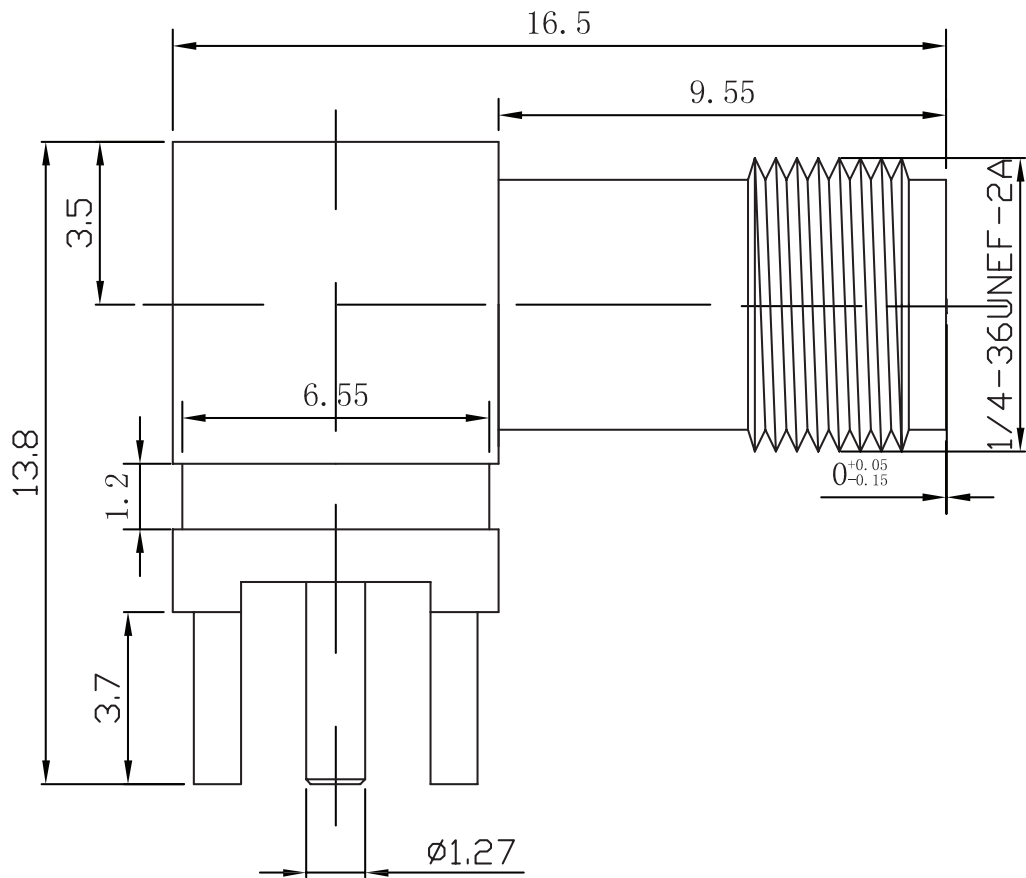
| parameter        | conditions/description | min | typ | max | units              |
|------------------|------------------------|-----|-----|-----|--------------------|
| reflow soldering | see reflow profile     |     | 250 | 260 | $^{\circ}\text{C}$ |



MECHANICAL DRAWING

units: mm  
tolerance:  
0.5≤X≤8.0: ±0.15 mm  
8.0<X<30.0: ±0.20 mm  
X≥30.0: ±0.30 mm  
unless otherwise specified

| DESCRIPTION    | MATERIAL       | PLATING/COLOR |
|----------------|----------------|---------------|
| body           | brass          | gold          |
| insulator      | PTFE [UL94V-0] | white         |
| center contact | brass          | gold          |



REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 02/19/2026 |

The revision history provided is for informational purposes only and is believed to be accurate.



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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