

**MODEL:** RF-SMA-RP-TH-ST-F-6-002-67 | **DESCRIPTION:** RF SMA CONNECTOR**FEATURES**

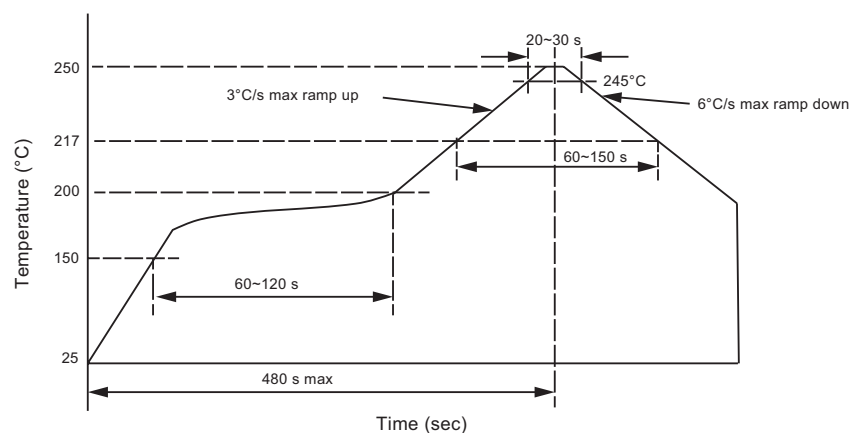
- frequency range 0~6 GHz
- character impedance 50  $\Omega$
- SMA connector type
- through hole
- IP67

**SPECIFICATIONS**

| parameter                    | conditions/description                     | min   | typ   | max    | units                    |
|------------------------------|--------------------------------------------|-------|-------|--------|--------------------------|
| impedance                    |                                            |       | 50    |        | $\Omega$                 |
| frequency range              |                                            | 0     |       | 6      | GHz                      |
| VSWR                         |                                            |       |       | 1.5    |                          |
| 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                                        |       |       |        |                          |
| IP level                     | IP67 [in mated condition]                  |       |       |        |                          |

**SOLDERABILITY**

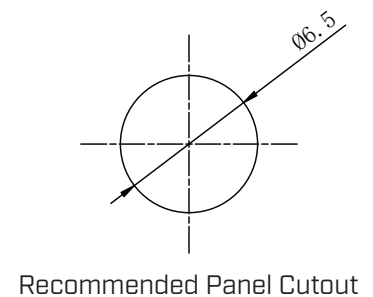
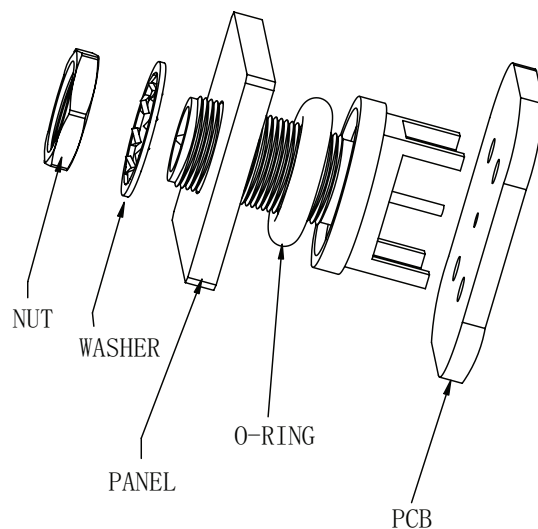
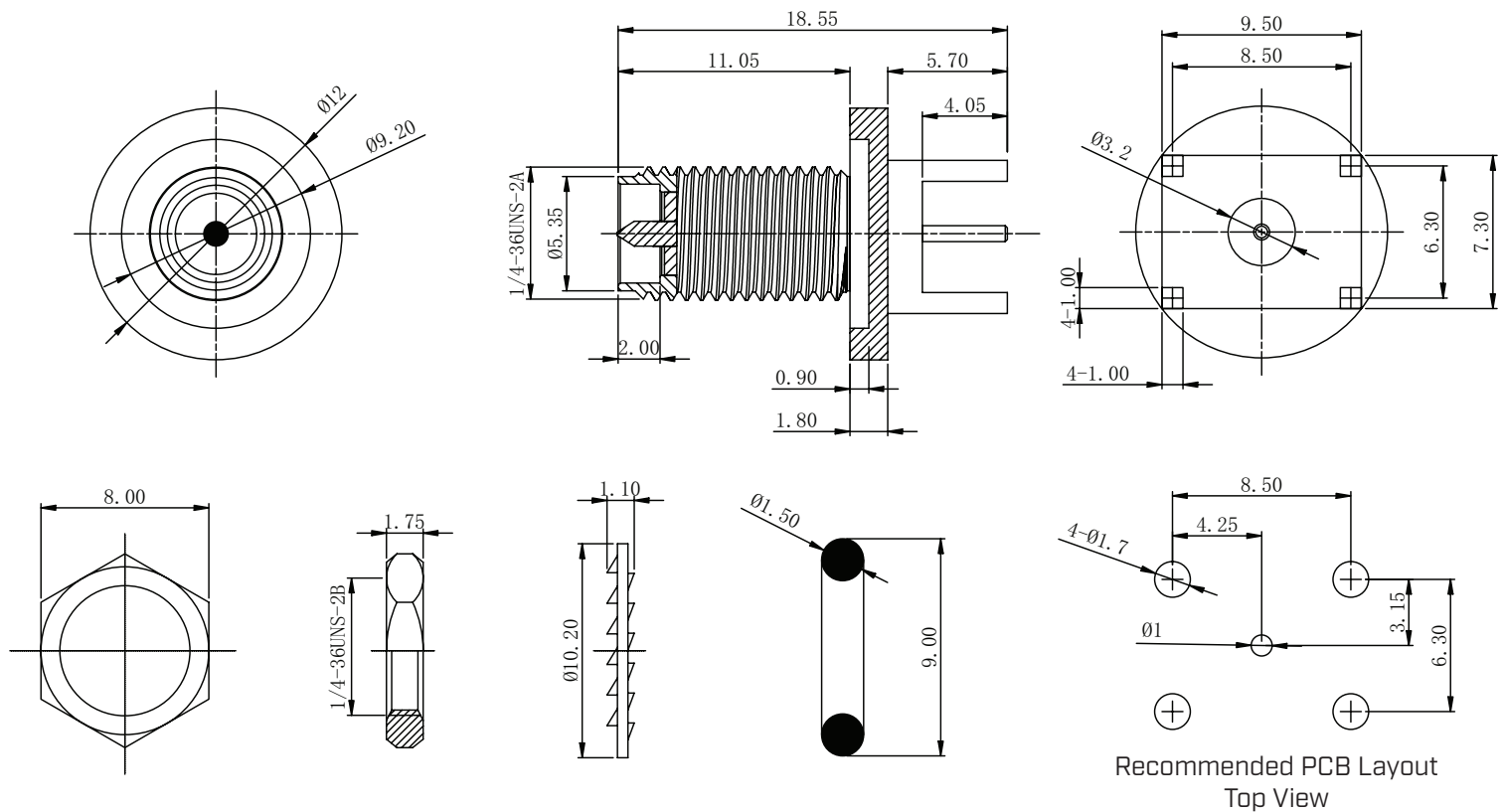
| parameter        | conditions/description | min | typ | max | units              |
|------------------|------------------------|-----|-----|-----|--------------------|
| reflow soldering | see reflow profile     |     | 250 | 260 | $^{\circ}\text{C}$ |



# MECHANICAL DRAWING

units: mm  
tolerance:  
 $0.5 \leq X \leq 8.0$ :  $\pm 0.20$  mm  
 $8.0 < X \leq 30.0$ :  $\pm 0.25$  mm  
 $X \geq 30.0$ :  $\pm 0.30$  mm  
unless otherwise specified  
panel thickness: 1.2~3.0 mm

| DESCRIPTION    | MATERIAL       | PLATING/COLOR |
|----------------|----------------|---------------|
| body           | brass          | gold          |
| insulator      | PTFE (UL94V-0) | white         |
| center contact | brass          | gold          |
| o-ring         | rubber         | red           |
| washer         | iron           | gold          |
| nut            | brass          | gold          |



REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 02/20/2026 |

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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