



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

FEATURES

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

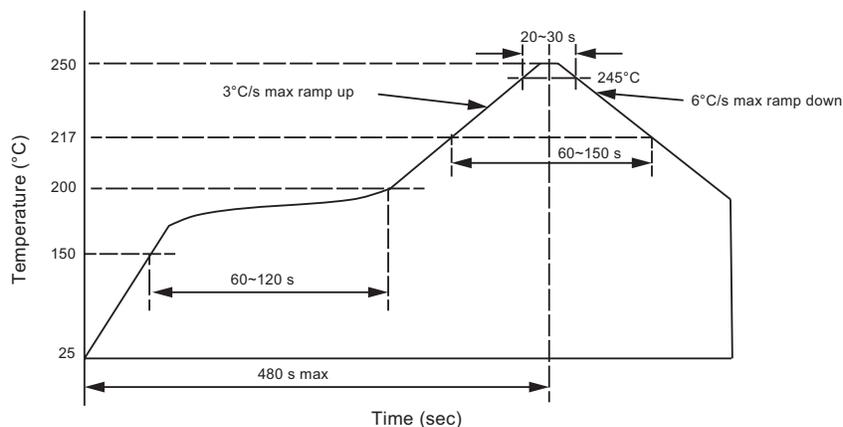


SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
impedance			50		Ω
frequency range		0		6	GHz
VSWR				1.5	
working voltage	at sea level		335		Vrms
insulation resistance		5,000			MΩ
contact resistance	center contact outer contact			3 2	mΩ mΩ
dielectric withstand voltage			1,000		V
mating torque		0.3		0.6	N*m
life		500			cycles
operating temperature		-55		165	°C
standards	compliant with MIL-C-39012, CECC 22110/111				
interface	MIL-STD-348				
RoHS	yes				
IP level	IP67 [in mated condition]				

SOLDERABILITY

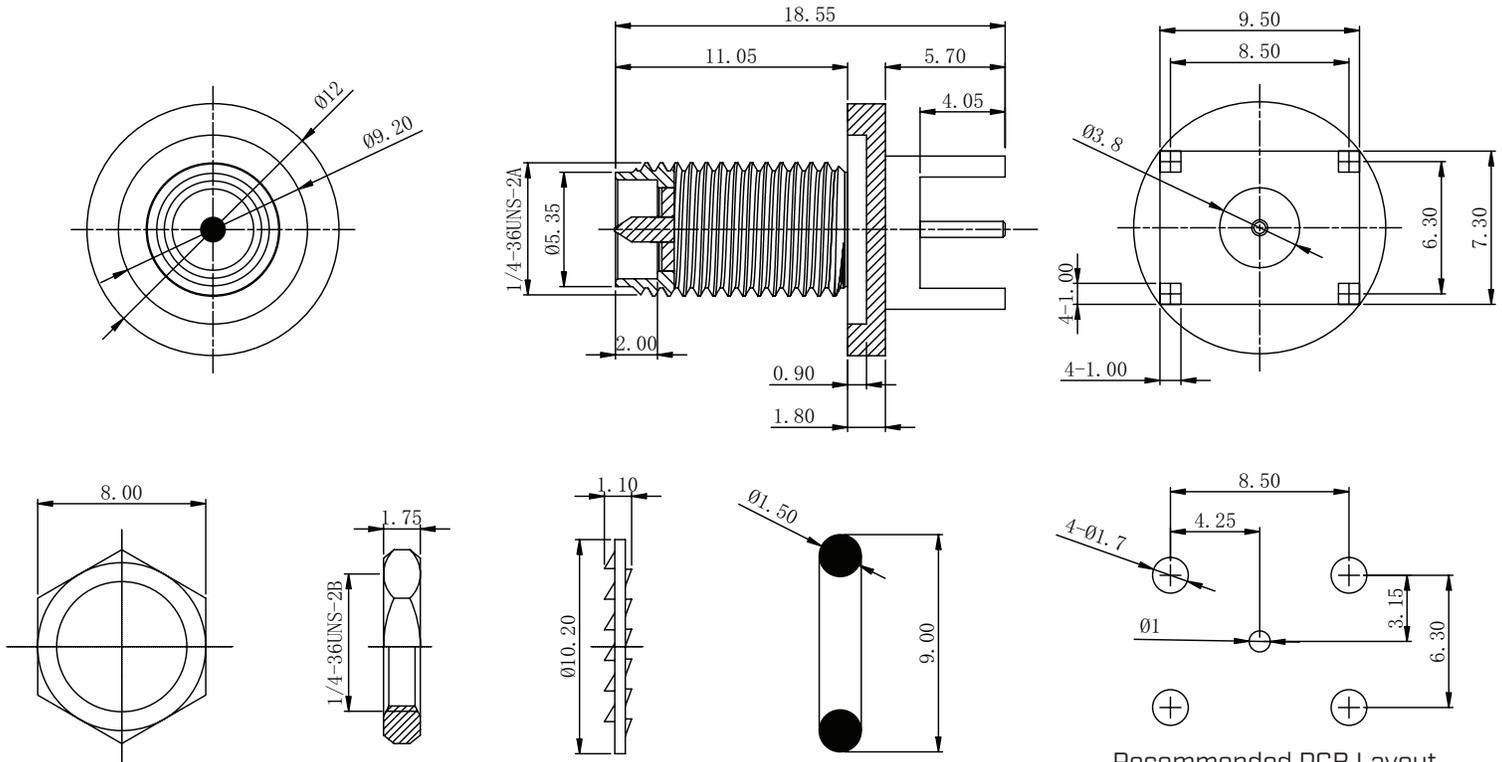
parameter	conditions/description	min	typ	max	units
reflow soldering	see reflow profile		250	260	°C



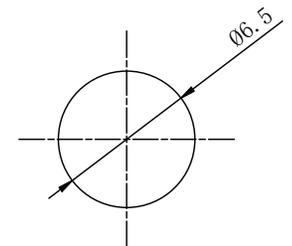
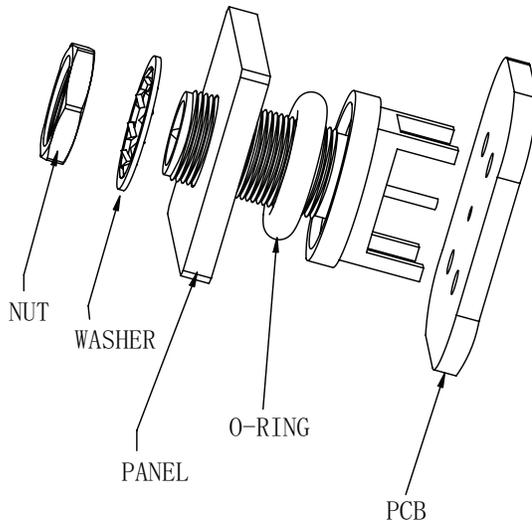
MECHANICAL DRAWING

units: mm
 tolerance:
 $0.5 \leq X \leq 8.0: \pm 0.20$ mm
 $8.0 < X < 30.0: \pm 0.25$ 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



Recommended PCB Layout
Top View



Recommended Panel Cutout

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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