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

FEATURES

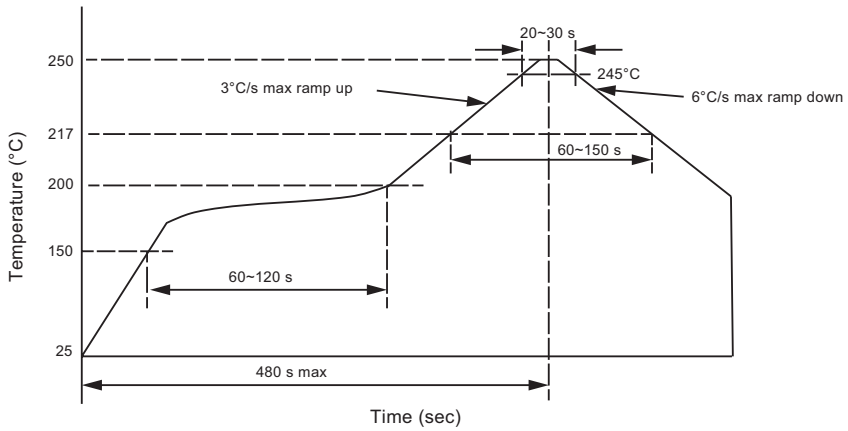
- frequency range 0~6 GHz
- character impedance 50 Ω
- SMA connector type
- through hole
- IP67

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

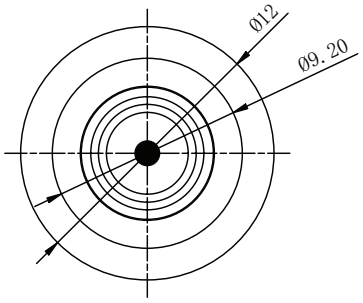
parameter	conditions/description	min	typ	max	units
reflow soldering	see reflow profile		250	260	°C

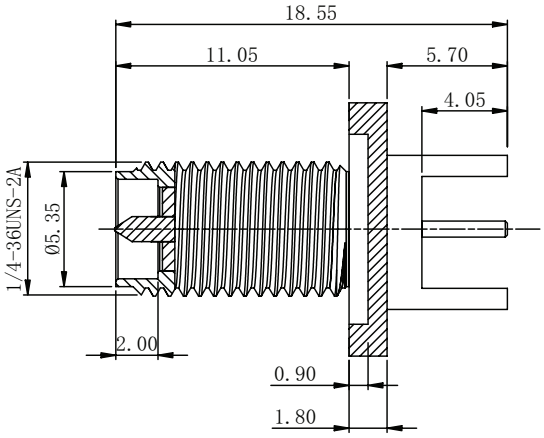


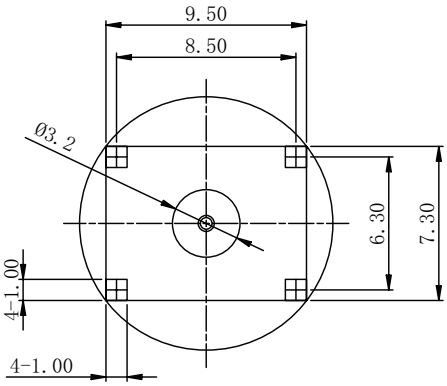
MECHANICAL DRAWING

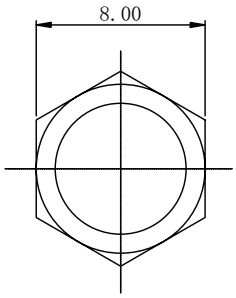
units: mm
tolerance:
0.5≤X≤8.0: ±0.20 mm
8.0<X<30.0: ±0.25 mm
X≥30.0: ±0.30 mm
unless otherwise specified
panel thickness: 1.2~3.0 mm

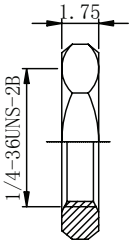
DESCRIPTION	MATERIAL	PLATING/COLOR
body	brass	gold
insulator	PTFE (UL94V-0)	white
center contact	brass	gold
o-ring	rubber	red
washer	iron	gold
nut	brass	gold

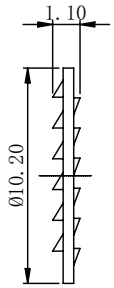


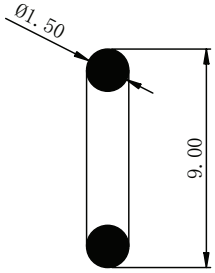


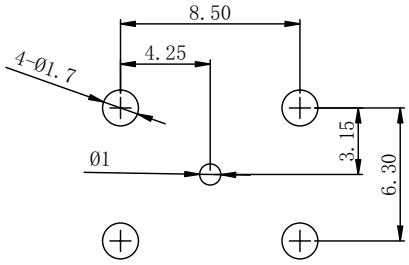




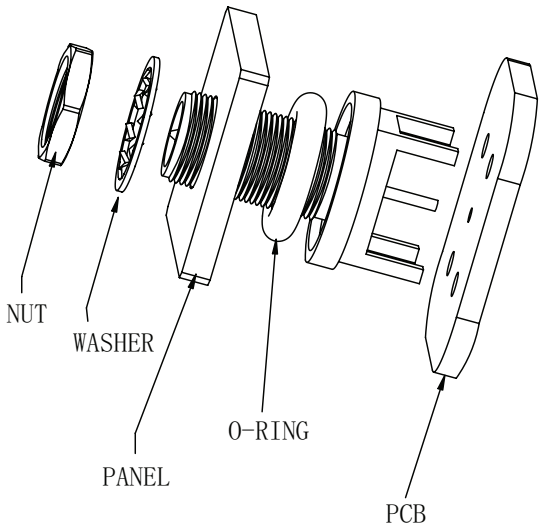


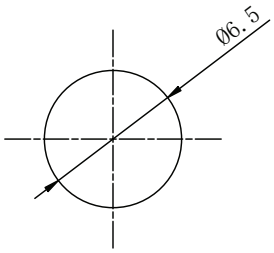






Recommended PCB Layout
Top View





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.