

Datasheet  
**Stock No:1706944**

**RS Pro SMA 27G SQUARE FLANGE MOUNT JACK RECEPTACLE**

Technical drawing showing side and top views of the SMA 27G Square Flange Mount Jack Receptacle. Dimensions are provided in inches and millimeters.

**Side View Dimensions:**  
 - Thread: 1/4"-36UNS-2A  
 - Body Length: 15.0 (.591)  
 - Flange Thickness: 1.65 (.065)  
 - Total Length: 27.4±0.3(1.079±.012)  
 - Flange Outer Diameter: 9.5(.374)  
 - Flange Inner Diameter: 4.10 (.161)  
 - Flange Hole Diameter: 1.300 (.051)

**Top View Dimensions:**  
 - Square Side Length: 9.53 (.375) SQ.  
 - Hole Diameter: 1.70(.067)X4  
 - Hole Spacing: 6.35 (.250)

APPROVED by \_\_\_\_\_ DATE: \_\_\_\_\_

DESCRIPTION	SMA 27G SQUARE FLANGE MOUNT JACK RECEPTACLE			
DRAWN	TOLERANCE	品名	DATE	REV.
Jackie	±0.2	40520208500003	1227.17	A-0
CHECK	UNIT	TITLE	(50.0)	
Arc	mm(in)	ROHS COMPLIANT		
APPROVAL	SCALE	DWG.NO.	52-0015-Z	
Jenny	ANGLE	比例	4:1	

3	CENTER CONTACT	BERYLLIUM COPPER	1	GOLD 50 μ" MIN.
2	INSULATION	TEFLON	1	NONE
1	BODY	STAINLESS STEEL	1	GOLD 3 μ" MIN.
NO	DESCRIPTION	MATERIAL	QTY	FINISH

**1.0 ELECTRICAL**  
 1.1 FREQUENCY RANGE: DC - 27 GHz  
 1.2 NOMINAL IMPEDANCE: 50 OHMS  
 1.3 VOLTAGE RATING: 50 VOLTS MAX.  
 1.4 VSWR: 1.17 MAX. @18 GHz  
 1.21 MAX. @26.5 GHz

**2.0 MATERIALS**  
 2.1 BODIES: STAINLESS STEEL PER JIS SUS 303  
 2.2 CENTER CONTACT: BERYLLIUM COPPER PER ASTM B196 UNS C17300  
 2.3 INSULATIONS: TEFLON PER ASTM D1457 AND ASTM D1710

**3.0 FINISHES AND OTHERS**  
 3.1 SEE BELOW TABLE FOR DETAILS.

**4.0 MECHANICAL**  
 4.1 INTERFACE IN ACCORDANCE WITH: MIL-STD-348A

**5.0 ENVIRONMENTAL**  
 5.1 OPERATING TEMPERATURE RANGE: -65 °C TO +165 °C