

Datasheet

# RS Pro Straight Panel Mount Bulkhead Fitting SMA Connector, jack, Solder Termination RG402

RS Stock No: 546-3147



## Product Details

Bulkhead jack

Gold Plated - RS

SMA Connectors for semi-rigid and flexible cables.,  
SMA Solder (Semi-rigid cable)

For use with semi-rigid coaxial cable

Designed to provide high frequency performance at  
high power ratings in small diameters

Stud contact types are provided in both captive and  
non-captive forms

Connectors available for the two most commonly used  
microwave cables, RG402/U and RG405/U

SMA Crimp (Flexible cable)

Used with a variety of flexible RF cables

Suitable for design and development work and where  
large quantity usage requires repeatability in  
performance

Available in non-captive contact form for optimum  
electrical performance

Assembly is achieved by soldering the centre contact  
and crimping braid and outer sleeve

SMA Clamp (Flexible cable)

Pressure sleeve clamp versions for use with flexible  
cables

Captive contacts ensure correct positioning and mating  
Ideal for field service applications



## Product Details

Working voltage 450Vdc or ac (peak)	VSWR $1.07 + 0.07 \times f(\text{GHz})$
Proof voltage 1500Vdc or ac (peak)	Insertion loss $0.04 \times \sqrt{f}(\text{GHz})$ dB
Frequency range	
DC to 18GHz (semi-rigid cable)	
DC to 12.4GHz (braided cable and elbow connectors)	
Phase repeatability	$\pm 3^\circ$ after 1000 mating cycles
Crimp tooling	
Cable Type	Use crimp tool (s)
RG174	456-778
RG223	456-431

## SPECIFICATION

Gender	Female
Mounting Type	Panel Mount
Body Orientation	Straight
Cable Type	RG402
Termination Method	Solder
Polarity	Normal
Bulkhead	Yes
Operating Frequency	0 → 12.4 GHz, 0 → 18 GHz
Body Plating	Gold
Size	Subminiature
Contact Plating	Gold
Voltage Rating	450 V ac/dc