

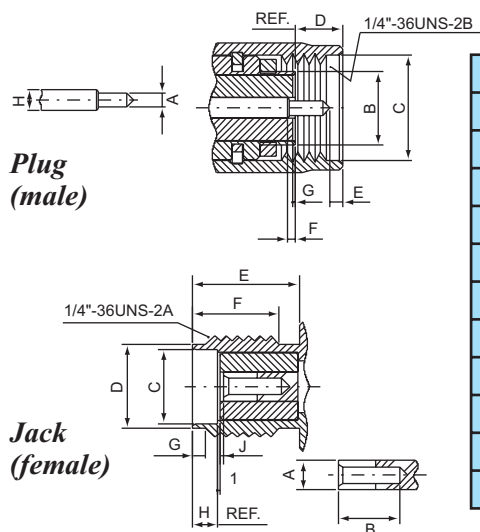
SMA SERIES CONNECTORS

50 ohm 0-18GHz

SMA series connectors are semi-precision, subminiature, high frequency connectors which offer reliable broadband performance DC to 18GHz with low reflection and constant 50 ohm impedance.

The main features are high mechanical strength, high durability and low VSWR. Developed design principles, careful manufacturing at all stages and a thorough quality assurance organization are the basis for the well know quality have made the SMA are widely in the microwave community. Among typical applications are components, such as dividers, mixers, amplifiers, trimmers and attenuators. SMA connectors are also used to provide interconnections from printed circuit board striplines to coaxial cable.

Interface Dimensions:



	Plug		Jack	
	min.	max.	min.	max.
A	0.90/.036	0.94/.037	1.24/.049	1.29/.051
B	-	4.59/.181	2.67/.105	-
C	6.35/.250	-	5.28/.208	5.49/.216
D	-	3.34/.135	4.59/.181	4.67/.184
E	0.38/.015	1.14/.045	5.54/.218	-
F	0.00/.000	0.25/.010	4.32/.170	-
G	0.00/.000	0.18/.007	0.38/.015	1.14/.045
H	1.24/.049	1.29/.051	1.88/.074	1.98/.078
I	-	-	0.00/.000	0.25/.010
J	-	-	0.00/.000	0.18/.007

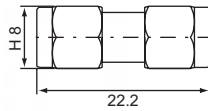
Electrical:

Impedance	50 ohm
Frequency Range	0 to 18.0 GHz *RG-402 & RG-405 semi-rigid cable-0 to 18.0GHz *flexible cable→max operation frequency of cable per MIL-C-17(12.4GHz max)
VSWR	RG178U→1.2+0.025 f max GHz(Straight) →1.2+0.03 f max GHz(Right angle)
	RG316U→1.15+0.02 f max GHz(Straight) →1.15+0.03 f max GHz(Right angle)
	RG412U→1.15+0.01 f max GHz(Straight) →1.15+0.02 f max GHz(Right angle)
	RG402U→1.05+0.01 f max GHz(Straight) →1.1+0.01 f max GHz(Right angle)
	RG405U→1.07+0.01 f max GHz(Straight) →1.1+0.01 f max GHz(Right angle)
Insertion Loss	0.06dB maximum \sqrt{f} GHz @ 6GHz

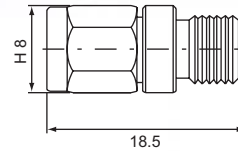
SMA SERIES ADAPTERS



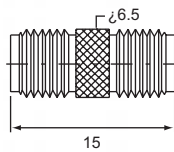
Double SMA male
S-311 (50Ω)



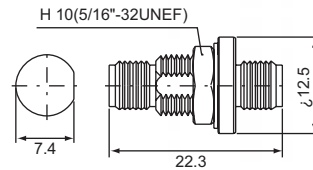
SMA male-SMA female
S-312 (50Ω)



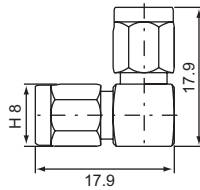
Double SMA female
S-322 (50Ω)



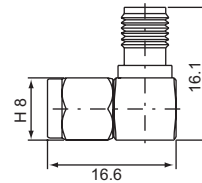
double SMA female bulkhead receptacle
S-332-WP (50Ω)



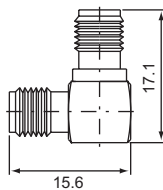
double SMA male right angle
S-411 (50Ω)



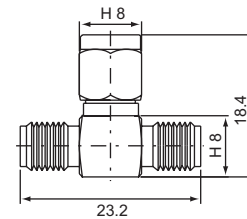
SMA male-SMA female right angle
S-412 (50Ω)



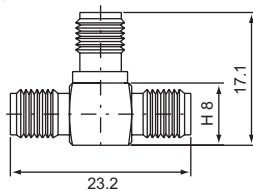
double SMA female right angle
S-422 (50Ω)



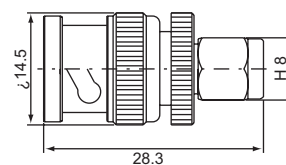
single SMA male double SMA female T-type
S-512 (50Ω)



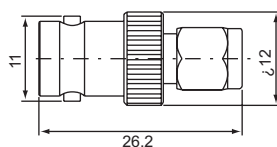
three SMA female T-type
S-522 (50Ω)



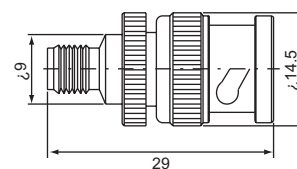
SMA male-BNC male
SB-311 (50Ω)



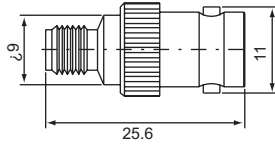
SMA male-BNC female
SB-312 (50Ω)



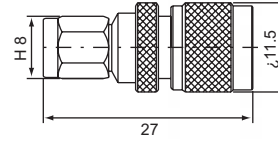
SMA female-BNC male
SB-321 (50Ω)



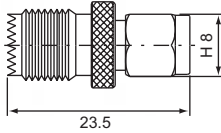
SMA female-BNC female
SB-322 (50Ω)



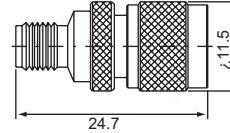
SMA male-mini UHF male
SM-311 (50Ω)



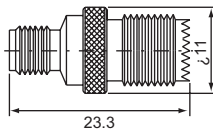
SMA male-mini UHF female
SM-312 (50Ω)



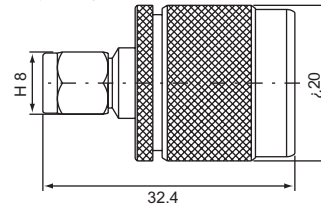
SMA female-mini UHF male
SM-321 (50Ω)



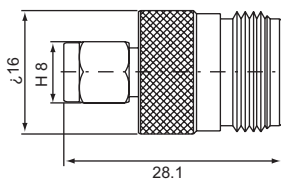
SMA female-mini UHF female
SM-322 (50Ω)



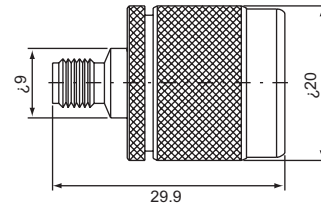
SMA male-N male
SN-311 (50Ω)



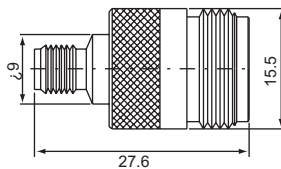
SMA male-N female
SN-312 (50Ω)



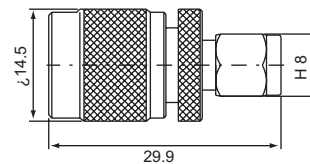
SMA female-N male
SN-321 (50Ω)



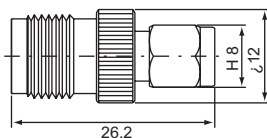
SMA female-N female
SN-322 (50Ω)



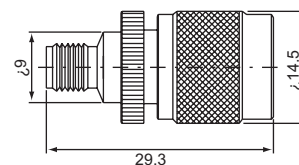
SMA male-TNC male
ST-311 (50Ω)



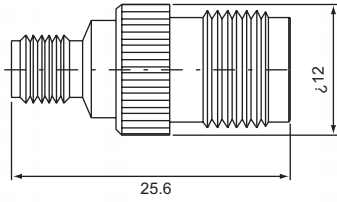
SMA male-TNC female
ST-312 (50Ω)



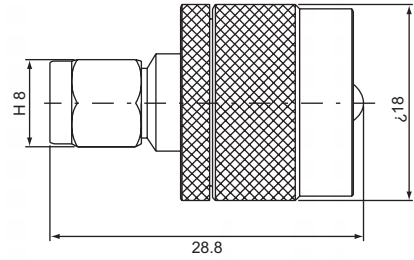
SMA female-TNC male
ST-321 (50Ω)



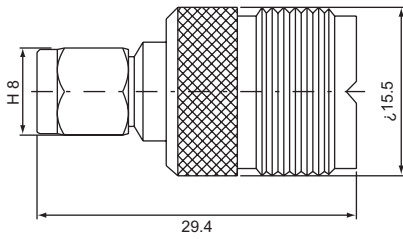
SMA female-TNC female
ST-322 (50Ω)



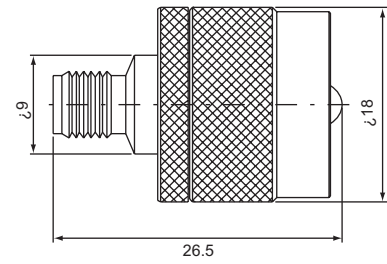
SMA male-UHF male
SU-311 (50Ω)



SMA male-UHF female
SU-312 (50Ω)



SMA female-UHF male
SU-321 (50Ω)



SMA female-UHF female
SU-322 (50Ω)

