

Electric Specification

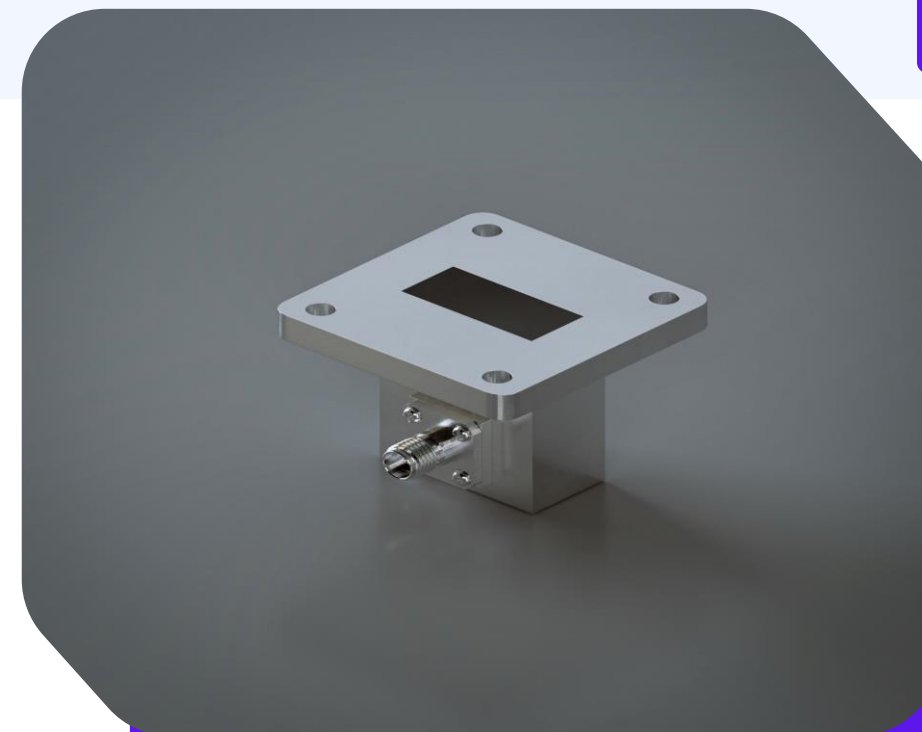
Adapter Type	Right Angel
Adapter Grade	Standard
Frequency Band	X
Waveguide Type	Rectangular
Waveguide Size EI WR	WR90
Min. Frequency (GHz)	8.2
Max. Frequency (GHz)	12.4
VSWR Max	1.17
VSWR Min	1
Impedance (Ω)	50
Max. Insertion Loss (dB)	0.25
Min. Insertion Loss (dB)	0.21

Interface

Flange Style	Square
Connector	SMA
Connector Type	Female

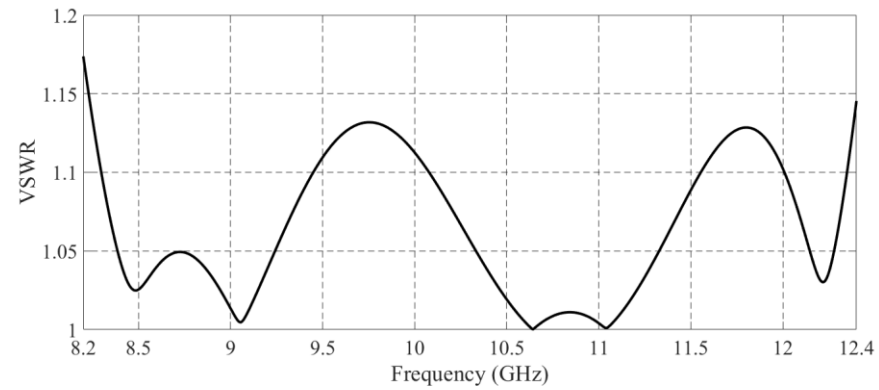
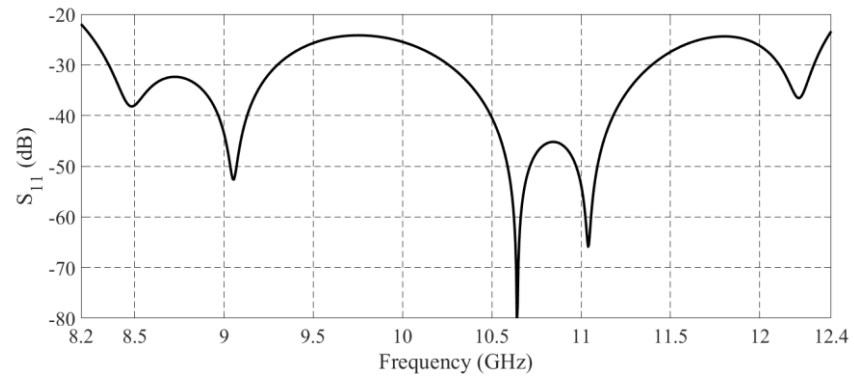
Mechanical Specification

Body Material	Al
Finishing	Gray Paint
Operating Temp Low($^{\circ}$ c)	-50
Operating Temp High($^{\circ}$ c)	80

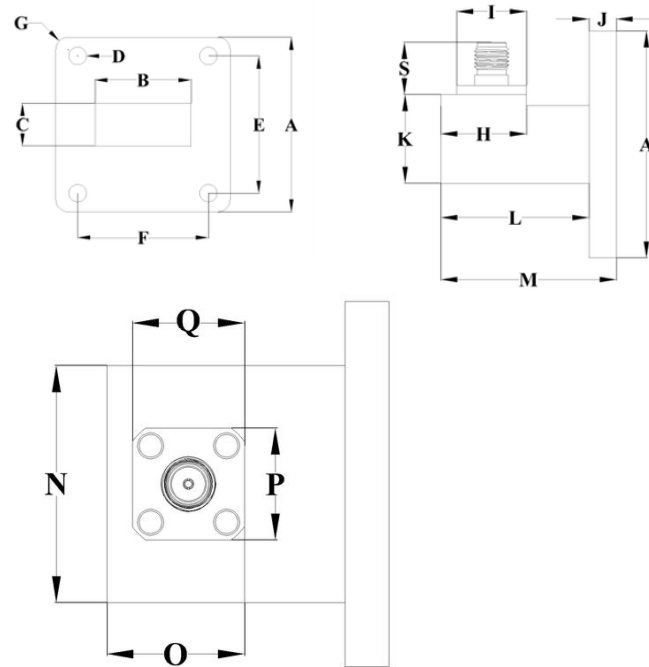


Overview

Right angle rectangular waveguide to coaxial adapter CTRW90, operating from 8.2 to 12.4GHz with a 0.25dB insertion loss and low VSWR 1.17. CTRW90 can be an efficient transition between the rectangular waveguide WR90 and coaxial SMA female connector. It can handle 50W continuously and 3KW peak power. The flange of waveguide WR90 is FBP100 (UBR100). These waveguide to coaxial adapters is consistent with the CACIRA standard of high quality and are indispensable components in any microwave project, such as microwave testing, and systems.



Drawing



Paramete	Inch (mm)	Paramete	Inch (mm)
r		r	
A	1.615 (41.4)	O	0.613(15.586)
B	0.9(22.86)	P	0.5 (12.7)
C	0.4(10.16)	Q	0.5(12.5)
D	0.164(4.17)		
E	1.28 (32.51)		
F	1.22(30.99)		
G	0.118(3)		
H	0.613(15.586)		
I	0.5 (12.7)		
J	0.197(5)		
K	0.637(16.180)		
L	1.299 (27)		
M	1.26(32)		
N	1.057 (26.86)		