

90CTRW3.5 Straight Angle Rectangular Waveguide to Coaxial Adapter 8.2 – 12.4 GHz WR90 to 3.5mm Female

Attributes

Electrical Specification

Adapter Type	Right Angel
Adapter Grade	Standard
Frequency Band	Ku
Waveguide Type	Rectangular
Waveguide Size EI WR	WR90
Min. Frequency (GHz)	8.2
Max. Frequency (GHz)	12.4
VSWR Max	1.26
VSWR Min	1.0025
Impedance (Ω)	50
Max. Insertion Loss (dB)	0.25
Min. Insertion Loss (dB)	0.22

Interface

Flange Style	Square
Connector	3.5 mm
Connector Type	Female

Mechanical Specification

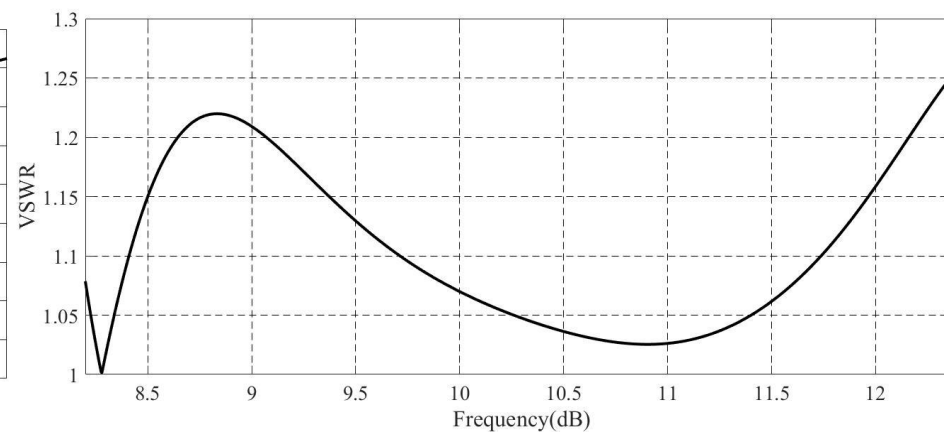
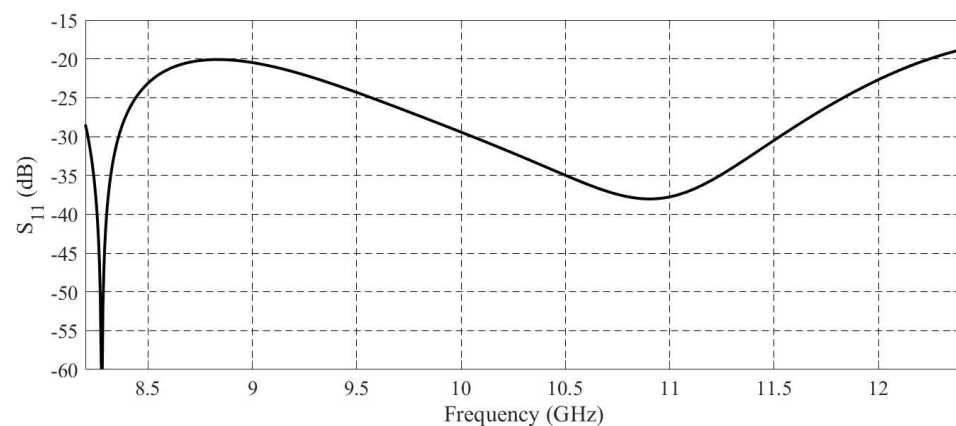
Body Material	Al
Finishing	Gray Paint
Operating Temp Low(°c)	-50
Operating Temp High(°c)	80



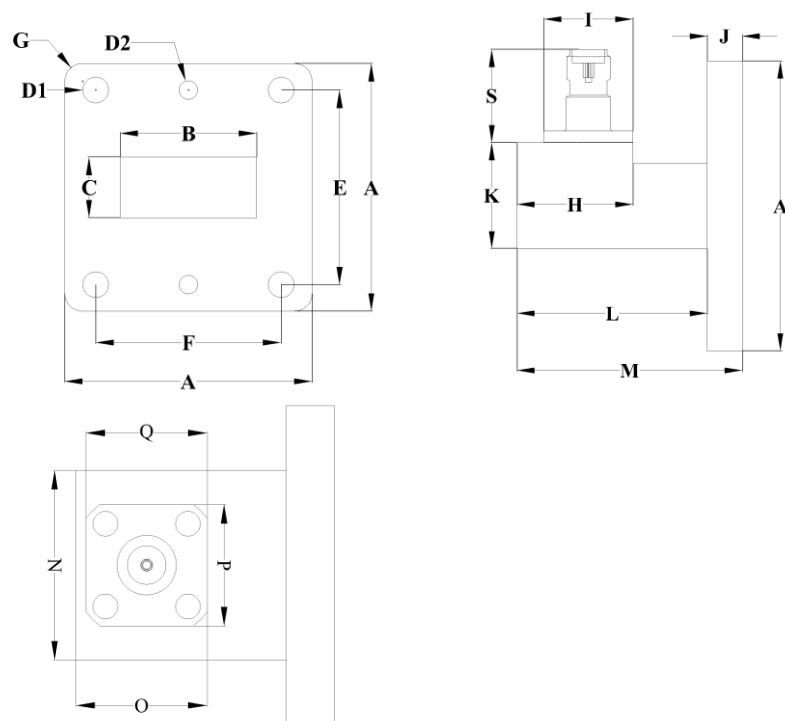
Overview

Right angle rectangular waveguide to coaxial adapter 90CTRW3.5, operating from 8.2 to 12.4 GHz with a 0.25dB insertion loss and low VSWR 1.26. 90CTRW3.5 can be an efficient transition between the rectangular waveguide WR90 and coaxial 3.5 female connector. It can handle 50W continuously and 3KW peak power. The flange of waveguide WR90 is APF90B. 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.

Results (Back-to-Back Connection)



Drawing



Parameter	Inch (mm)	Parameter	Inch (mm)
A	1.63 (41.4)	O	0.651(16.540)
B	0.9(22.86)	P	0.5 (12.7)
C	0.4(10.16)	Q	0.5 (12.7)
D1	0.169(4.3)		
D2	0.125(3.18)		
E	1.28 (32.51)		
F	1.22 (30.99)		
G	0.118(3)		
H	0.651(16.540)		
I	0.5 (12.7)		
J	0.197(5)		
K	0.616(15.66)		
L	1.031 (26.198)		
M	1.228(31.198)		
N	0.979 (24.86)		