

Electric Specification

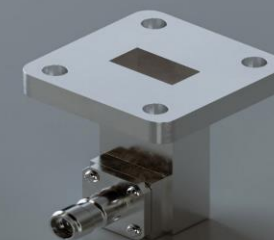
Adapter Type	Right Angel
Adapter Grade	Standard
Frequency Band	K & Ku
Waveguide Type	Rectangular
Waveguide Size EI WR	WR51
Min. Frequency (GHz)	15
Max. Frequency (GHz)	22
VSWR Max	1.2
VSWR Min	1
Impedance (Ω)	50
Max. Insertion Loss (dB)	0.25
Min. Insertion Loss (dB)	0.22

Interface

Flange Style	Square
Connector	3.5 mm
Connector Type	Female

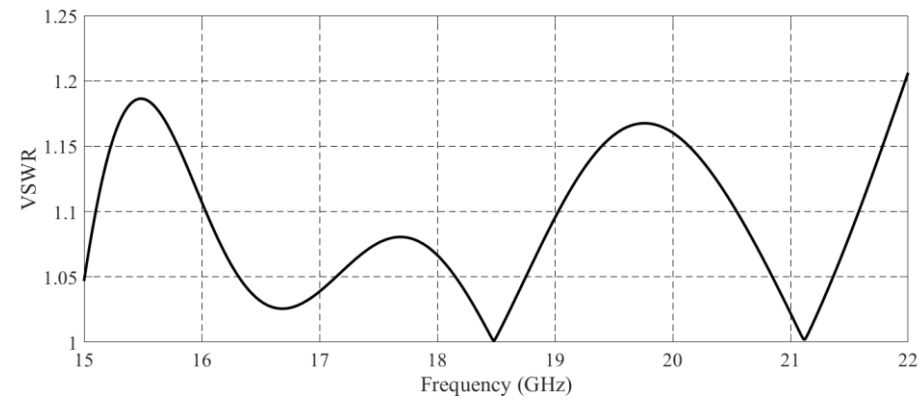
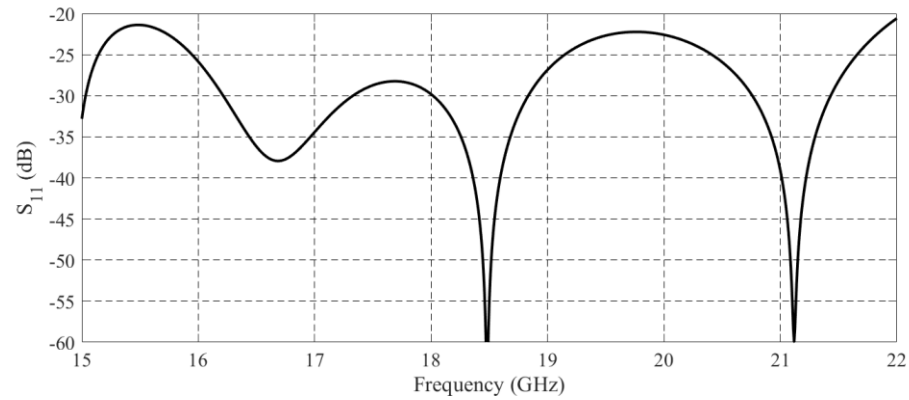
Mechanical Specification

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

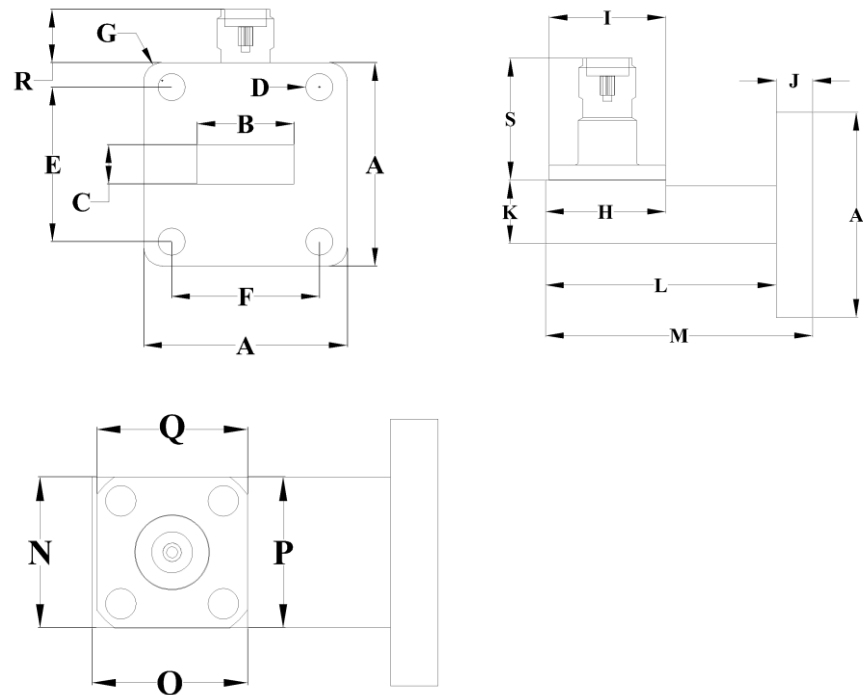


Overview

Right angle rectangular waveguide to coaxial adapter 51CTRW3.5, operating from 15 to 22 GHz with a 0.25dB insertion loss and low VSWR 1.2:1 51CTRW3.5 can be an efficient transition between the rectangular waveguide WR51 and coaxial 3.5 female connector. It can handle 50W continuously and 3KW peak power. The flange of waveguide WR51 is FBP180 (UBR180). 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



Parameter	Inch (mm)	Parameter	Inch (mm)
<i>A</i>	1.189 (30.02)	O	0.5 (12.7)
<i>B</i>	0.51 (12.954)	P	0.5 (12.7)
<i>C</i>	0.255 (6.477)	Q	0.504 (12.807)
<i>D</i>	0.118 (3)	R	0.130 (3.331)
<i>E</i>	0.886 (22.5)		
<i>F</i>	0.81 (20.57)		
<i>G</i>	0.118 (3)		
<i>H</i>	0.5 (12.7)		
<i>I</i>	0.5 (12.7)		
<i>J</i>	0.157 (4)		
<i>K</i>	0.472 (12)		
<i>L</i>	1.108 (28.15)		
<i>M</i>	1.305 (33.15)		
<i>N</i>	0.511 (13)		
<i>S</i>	0.524 (13.32)		