

51WHT WR51 Waveguide H-Plane Tee 15-22GHz with Three Rectangular Waveguide Interfaces

WR51 Waveguide H-Plane Tee Operating From 15 to 22GHz with Three Rectangular Waveguide Interfaces



Product Information

SKU	51WHT
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Description

Waveguide H-plane tee 51WHT, operating from 15 to 22GHz with a 0.4dB insertion loss and low VSWR 1.50:1. 51WHT is a three-ports waveguide connector. All the ports have standard WR51 waveguides with the same flanges FBP180(UBR180). The waveguide H-plane tees are used to separate the signal at H plane rectangular port into the collinear arm with the two rectangular waveguide ports or synthesize the signal from the two ports of the collinear arm into the H plane port.

Technical Specification

Electrical Specification		Interface	
WG Tee Type	H-Plane Tee	Flange 3 Style	Square
Waveguide Band	Ku K	Flange 3 Type	Cover
Waveguide Type	Rectangular	Flange 3 Designation	FBP180(UBR180)
Waveguide Size EIA WR	WR51	Mechanical Specification	
Frequency, Min (GHz)	15	Body Material	Al
Frequency, Max (GHz)	22	Pressure Sealed	No
I.L., Typ (dB)	0.4	Environmental Specification	
I.L., Max (dB)	0.5	Operating Temp. Low (°C)	-55
VSWR, Typ	1.50:1	Operating Temp. High (°C)	85
Power Handling, CW, (W)	130	Storage Temp. Low (°C)	-60
Power Handling, Peak, (KW)	85	Storage Temp. High (°C)	90
Interface			
Flange 1 Style	Square		
Flange 1 Type	Cover		
Flange 1 Designation	FBP180(UBR180)		
Flange 2 Style	Square		
Flange 2 Type	Cover		
Flange 2 Designation	FBP180(UBR180)		

Additional Information

Application	General Purpose Indoor & Outdoor, Fixed
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Similar Products



51WET WR51 Waveguide E-Plane Tee 15-22GHz with Three Rectangular Waveguide Interfaces



62WET WR62 Waveguide E-Plane Tee 12.4-18GHz with Three Rectangular Waveguide Interfaces



42WET_Cu WR42 Waveguide E-Plane Tee 18-26.5GHz with Three Rectangular Waveguide Interfaces



62WHT WR62 Waveguide H-Plane Tee 12.4-18GHz with Three Rectangular Waveguide Interfaces



42WHT_Cu WR42 Waveguide H-Plane Tee 18-26.5GHz with Three Rectangular Waveguide Interfaces



62WMT WR62 Waveguide Magic Tee 12.4-18GHz with Four Rectangular Waveguide Interfaces



62WMT_BMBPBPBM WR62 Waveguide Magic Tee 12.4-18GHz with Four Rectangular Waveguide Interfaces



51WMT WR51 Waveguide Magic Tee 15-22GHz with Four Rectangular Waveguide Interfaces



42WMT_Cu WR42 Waveguide Magic Tee 18-26.5GHz with Four Rectangular Waveguide Interfaces

About this Datasheet

<ul style="list-style-type: none"> ● Product Information Product Link: https://www.ainfoinc.com/51wht-wr51-waveguide-h-plane-tee-15-22-ghz-fbp180-ubr180 Data subject to change without notice. © A-INFO INC. 2024. All Rights Reserved 	<ul style="list-style-type: none"> ● Contact Us Address: 60 Tesla, Irvine, CA 92618, USA Website: www.ainfoinc.com Email: sales@ainfoinc.com 	<ul style="list-style-type: none"> ● Phone & Fax Phone: +1-949-639-9688 +1-949-639-9608 Fax: +1-949-639-9670
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