



430WMT WR430 Waveguide Magic Tee 1.7-2.6GHz with Four Rectangular Waveguide Interfaces

WR430 Waveguide Magic Tee Operating From 1.7 to 2.6GHz with Four Rectangular Waveguide Interfaces

Product Information

SKU	430WMT
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Description

Waveguide magic tee 430WMT, operating from 1.7 to 2.6GHz with a 0.5dB insertion loss, 40dB isolation, H-Plane VSWR 1.30:1 and E-Plane VSWR 1.50:1. 430WMT is a four-ports hybrid coupler or power divider. All the ports have standard WR430 waveguides with the same flanges FDP22(UDR22). The magic tee can be used as a power combiner or a power divider based on the given application's needs.

Technical Specification

Electrical Specification		Interface	
WG Tee Type	Magic Tee	Flange 3 Style	Rectangular
Waveguide Band	S	Flange 3 Type	Cover
Waveguide Type	Rectangular	Flange 3 Designation	FDP22(UDR22)
Waveguide Size EIA WR	WR430	Flange 4 Style	Rectangular
Frequency, Min (GHz)	1.7	Flange 4 Type	Cover
Frequency, Max (GHz)	2.6	Flange 4 Designation	FDP22(UDR22)
I.L., Typ (dB)	0.5	Mechanical Specification	
I.L., Max (dB)	0.8	Body Material	Al
VSWR, H-Plane, Typ	1.3	Pressure Sealed	No
VSWR, H-Plane, Typ	1.30:1	Environmental Specification	
VSWR, E-Plane, Typ	1.5	Operating Temp. Low (°C)	-55
VSWR, E-Plane, Typ	1.50:1	Operating Temp. High (°C)	85
Isolation, Min (dB)	30	Storage Temp. Low (°C)	-60
Isolation, Typ (dB)	40	Storage Temp. High (°C)	90
Power Handling, CW, (W)	11000		
Power Handling, Peak, (KW)	6000		
Interface			
Flange 1 Style	Rectangular		
Flange 1 Type	Cover		
Flange 1 Designation	FDP22(UDR22)		
Flange 2 Style	Rectangular		
Flange 2 Type	Cover		
Flange 2 Designation	FDP22(UDR22)		

Additional Information

Application	General Purpose Indoor & Outdoor, Fixed
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Similar Products



340WET WR340 Waveguide E-Plane Tee 2.2-3.3GHz with Three Rectangular Waveguide Interfaces



340WHT WR340 Waveguide H-Plane Tee 2.2-3.3GHz with Three Rectangular Waveguide Interfaces



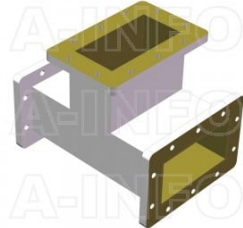
340WMT WR340 Waveguide Magic Tee 2.2-3.3GHz with Four Rectangular Waveguide Interfaces



430WET WR430 Waveguide E-Plane Tee 1.7-2.6GHz with Three Rectangular Waveguide Interfaces



430WHT WR430 Waveguide H-Plane Tee 1.7-2.6GHz with Three Rectangular Waveguide Interfaces



510WET WR510 Waveguide E-Plane Tee 1.45-2.2GHz with Three Rectangular Waveguide Interfaces



510WHT WR510 Waveguide H-Plane Tee 1.45-2.2GHz with Three Rectangular Waveguide Interfaces

About this Datasheet

<ul style="list-style-type: none"> • Product Information Product Link: https://www.ainfoinc.com/430wmt-wr430-waveguide-magic-tee-1-7-2-6-ghz-fdp22-udr22 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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