

137WHT WR137 Waveguide H-Plane Tee 5.85-8.2GHz with Three Rectangular Waveguide Interfaces

WR137 Waveguide H-Plane Tee Operating From 5.85 to 8.2GHz with Three Rectangular Waveguide Interfaces



Product Information

SKU	137WHT
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Description

Waveguide H-plane tee 137WHT, operating from 5.85 to 8.2GHz with a 0.2dB insertion loss and low VSWR 1.50:1. 137WHT is a three-ports waveguide connector. All the ports have standard WR137 waveguides with the same flanges FDP70(UDR70). 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	Rectangular
Waveguide Band	C X	Flange 3 Type	Cover
Waveguide Type	Rectangular	Flange 3 Designation	FDP70(UDR70)
Waveguide Size EIA WR	WR137	Mechanical Specification	
Frequency, Min (GHz)	5.85	Body Material	Al
Frequency, Max (GHz)	8.2	Size, L (mm)	127
I.L., Typ (dB)	0.2	Size, W (mm)	61.9
I.L., Max (dB)	0.3	Size, H (mm)	104
VSWR, Typ	1.50:1	Weight, (kg)	0.3
Power Handling, CW, (W)	1000	Pressure Sealed	No
Power Handling, Peak, (KW)	550	Environmental Specification	
Interface		Operating Temp. Low (°C)	-55
Flange 1 Style	Rectangular	Operating Temp. High (°C)	85
Flange 1 Type	Cover	Storage Temp. Low (°C)	-60
Flange 1 Designation	FDP70(UDR70)	Storage Temp. High (°C)	90
Flange 2 Style	Rectangular		
Flange 2 Type	Cover		
Flange 2 Designation	FDP70(UDR70)		

Additional Information

Application	General Purpose Indoor & Outdoor, Fixed
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Similar Products



112WET WR112 Waveguide E-Plane Tee 7.05-10GHz with Three Rectangular Waveguide Interfaces



112WHT WR112 Waveguide H-Plane Tee 7.05-10GHz with Three Rectangular Waveguide Interfaces



112WMT WR112 Waveguide Magic Tee 7.05-10GHz with Four Rectangular Waveguide Interfaces



137WET WR137 Waveguide E-Plane Tee 5.85-8.2GHz with Three Rectangular Waveguide Interfaces



137WMT WR137 Waveguide Magic Tee 5.85-8.2GHz with Four Rectangular Waveguide Interfaces



159WET WR159 Waveguide E-Plane Tee 4.9-7.05GHz with Three Rectangular Waveguide Interfaces



159WHT WR159 Waveguide H-Plane Tee 4.9-7.05GHz with Three Rectangular Waveguide Interfaces



159WMT WR159 Waveguide Magic Tee 4.9-7.05GHz with Four Rectangular Waveguide Interfaces

About this Datasheet

<ul style="list-style-type: none"> • Product Information Product Link: https://www.ainfoinc.com/137wht-wr137-waveguide-h-plane-tee-5-85-8-2-ghz-fdp70-udr70 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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