



187WET WR187 Waveguide E-Plane Tee 3.95-5.85GHz with Three Rectangular Waveguide Interfaces

WR187 Waveguide E-Plane Tee Operating From 3.95 to 5.85GHz with Three Rectangular Waveguide Interfaces

Product Information

SKU	187WET
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Description

Waveguide E-plane tee 187WET, operating from 3.95 to 5.85GHz with a 0.15dB insertion loss and low VSWR 1.50:1. 187WET is a three-ports waveguide connector. All the ports have standard WR187 waveguides with the same flanges FDP48(UDR48). The waveguide E-plane tees are used to separate the signal at E 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 E plane port.

Technical Specification

Electrical Specification		Interface	
WG Tee Type	E-Plane Tee	Flange 3 Style	Rectangular
Waveguide Band	S C	Flange 3 Type	Cover
Waveguide Type	Rectangular	Flange 3 Designation	FDP48(UDR48)
Waveguide Size EIA WR	WR187	Mechanical Specification	
Frequency, Min (GHz)	3.95	Body Material	Al
Frequency, Max (GHz)	5.85	Size, L (mm)	127
I.L., Typ (dB)	0.15	Size, W (mm)	88.9
I.L., Max (dB)	0.2	Size, H (mm)	95.3
VSWR, Typ	1.50:1	Weight, (kg)	0.4
Power Handling, CW, (W)	1800	Pressure Sealed	No
Power Handling, Peak, (KW)	1000	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	FDP48(UDR48)	Storage Temp. High (°C)	90
Flange 2 Style	Rectangular		
Flange 2 Type	Cover		
Flange 2 Designation	FDP48(UDR48)		

Additional Information

Application	General Purpose Indoor & Outdoor, Fixed
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Similar Products



229WET WR229 Waveguide E-Plane Tee 3.3-4.9GHz with Three Rectangular Waveguide Interfaces



229WHT WR229 Waveguide H-Plane Tee 3.3-4.9GHz with Three Rectangular Waveguide Interfaces



229WMT WR229 Waveguide Magic Tee 3.3-4.9GHz with Four Rectangular Waveguide Interfaces



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



187WHT WR187 Waveguide H-Plane Tee 3.95-5.85GHz with Three Rectangular Waveguide Interfaces



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



187WMT WR187 Waveguide Magic Tee 3.95-5.85GHz with Four 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/187wet-wr187-waveguide-e-plane-tee-3-95-5-85-ghz-fdp48-udr48 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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