



187WMT\_DMDMDMDM WR187 Waveguide Magic Tee 3.95-5.85GHz with Four Rectangular Waveguide Interfaces

WR187 Waveguide Magic Tee Operating From 3.95 to 5.85GHz with Four Rectangular Waveguide Interfaces

### Product Information

SKU	187WMT_DMDMDMDM
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### Description

Waveguide magic tee 187WMT\_DMDMDMDM, operating from 3.95 to 5.85GHz . 187WMT\_DMDMDMDM is a four-ports hybrid coupler or power divider. All the ports have standard WR187 waveguides with the same flanges FDM48(PDR48). 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 C	Flange 3 Type	Grooved
Waveguide Type	Rectangular	Flange 3 Designation	FDM48(PDR48)
Waveguide Size EIA WR	WR187	Flange 4 Style	Rectangular
Frequency, Min (GHz)	3.95	Flange 4 Type	Grooved
Frequency, Max (GHz)	5.85	Flange 4 Designation	FDM48(PDR48)
I.L., Typ (dB)	0.3	Mechanical Specification	
I.L., Max (dB)	0.6	Body Material	Al
VSWR, H-Plane, Typ	1.3	Size, L (mm)	146.1
VSWR, H-Plane, Typ	1.30:1	Size, W (mm)	117.5
VSWR, E-Plane, Typ	1.5	Size, H (mm)	104.8
VSWR, E-Plane, Typ	1.50:1	Weight, (kg)	0.9
Isolation, Min (dB)	30	Pressure Sealed	No
Isolation, Typ (dB)	40	Environmental Specification	
Power Handling, CW, (W)	2100	Operating Temp. Low (°C)	-55
<b>Interface</b>		Operating Temp. High (°C)	85
Flange 1 Style	Rectangular	Storage Temp. Low (°C)	-60
Flange 1 Type	Grooved	Storage Temp. High (°C)	90
Flange 1 Designation	FDM48(PDR48)		
Flange 2 Style	Rectangular		
Flange 2 Type	Grooved		
Flange 2 Designation	FDM48(PDR48)		

## Additional Information

Application	General Purpose Indoor & Outdoor, Fixed
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## Similar Products



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



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



187WET/C10 WR187 Waveguide E-Plane Tee 4.4-5GHz with Three Rectangular Waveguide Interfaces



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



187WMT WR187 Waveguide Magic Tee 3.95-5.85GHz with Four Rectangular Waveguide Interfaces



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

## About this Datasheet

<ul style="list-style-type: none"> <li>● <b>Product Information</b> Product Link: <a href="https://www.ainfoinc.com/187wmt-wr187-waveguide-magic-tee-3-95-5-85-ghz-fdp48-udr48-7963">https://www.ainfoinc.com/187wmt-wr187-waveguide-magic-tee-3-95-5-85-ghz-fdp48-udr48-7963</a> Data subject to change without notice. © A-INFO INC. 2024. All Rights Reserved</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Contact Us</b> Address: 60 Tesla, Irvine, CA 92618, USA  Website: <a href="http://www.ainfoinc.com">www.ainfoinc.com</a>  Email: <a href="mailto:sales@ainfoinc.com">sales@ainfoinc.com</a></li> </ul>	<ul style="list-style-type: none"> <li>● <b>Phone &amp; Fax</b> Phone: +1-949-639-9688 +1-949-639-9608  Fax: +1-949-639-9670</li> </ul>
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