



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

WR112 Waveguide E-Plane Tee Operating From 7.05 to 10GHz with Three Rectangular Waveguide Interfaces

### Product Information

SKU	112WET
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### Description

Waveguide E-plane tee 112WET, operating from 7.05 to 10GHz with a 0.2dB insertion loss and low VSWR 1.50:1. 112WET is a three-ports waveguide connector. All the ports have standard WR112 waveguides with the same flanges FBP84(UBR84). 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	Square
Waveguide Band	C X	Flange 3 Type	Cover
Waveguide Type	Rectangular	Flange 3 Designation	FBP84(UBR84)
Waveguide Size EIA WR	WR112	Mechanical Specification	
Frequency, Min (GHz)	7.05	Body Material	Al
Frequency, Max (GHz)	10	Pressure Sealed	No
I.L., Typ (dB)	0.2	Environmental Specification	
I.L., Max (dB)	0.3	Operating Temp. Low (°C)	-55
VSWR, Typ	1.50:1	Operating Temp. High (°C)	85
Power Handling, CW, (W)	660	Storage Temp. Low (°C)	-60
Power Handling, Peak, (KW)	360	Storage Temp. High (°C)	90
Interface			
Flange 1 Style	Square		
Flange 1 Type	Cover		
Flange 1 Designation	FBP84(UBR84)		
Flange 2 Style	Square		
Flange 2 Type	Cover		
Flange 2 Designation	FBP84(UBR84)		

### Additional Information

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



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



90WET WR90 Waveguide E-Plane Tee 8.2-12.4GHz with Three Rectangular Waveguide Interfaces



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



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



90WHT WR90 Waveguide H-Plane Tee 8.2-12.4GHz with Three Rectangular Waveguide Interfaces



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



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



90WMT WR90 Waveguide Magic Tee 8.2-12.4GHz 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/112wet-wr112-waveguide-e-plane-tee-7-05-10-ghz-fbp84-ubr84">https://www.ainfoinc.com/112wet-wr112-waveguide-e-plane-tee-7-05-10-ghz-fbp84-ubr84</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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