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

WR430 Waveguide E-Plane Tee Operating From 1.7 to 2.6GHz with Three Rectangular Waveguide Interfaces

Product Information

SKU	430WET

Description

Waveguide E-plane tee 430WET, operating from 1.7 to 2.6GHz with a 0.15dB insertion loss and low VSWR 1.50:1. 430WET is a three-ports waveguide connector. All the ports have standard WR430 waveguides with the same flanges FDP22(UDR22). 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

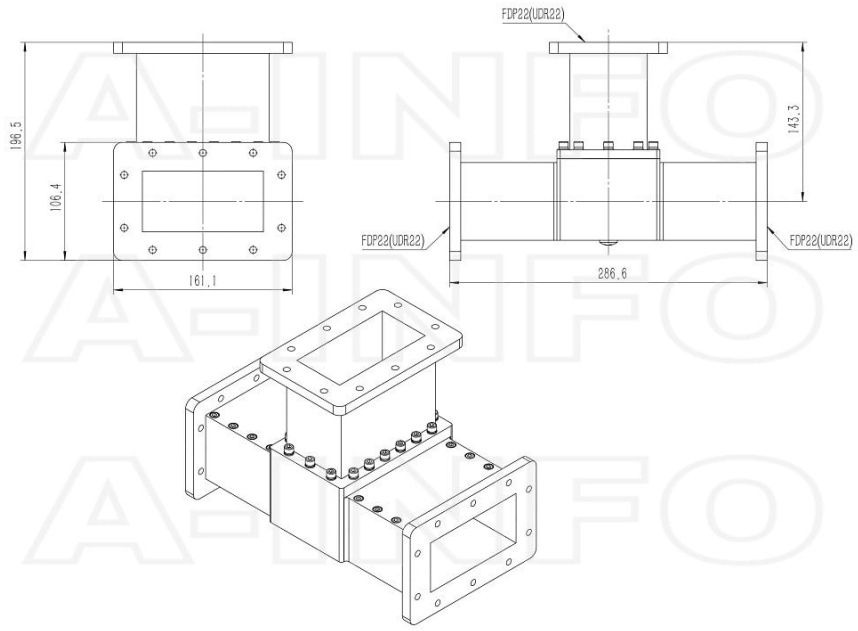
Electrical Specification	
WG Tee Type	E-Plane Tee
Waveguide Band	S
Waveguide Type	Rectangular
Waveguide Size EIA WR	WR430
Frequency, Min (GHz)	1.7
Frequency, Max (GHz)	2.6
I.L., Typ (dB)	0.15
I.L., Max (dB)	0.25
VSWR, Typ	1.50:1
Amplitude Balance, Max (±dB)	0.25
Phase Balance, Max (Deg.)	5
Power Handling, 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)

Interface	
Flange 3 Style	Rectangular
Flange 3 Type	Cover
Flange 3 Designation	FDP22(UDR22)
Mechanical Specification	
Body Material	Al
Size, L (mm)	286.6
Size, W (mm)	161.1
Size, H (mm)	196.5
Weight, (kg)	4.56
Pressure Sealed	No
Environmental Specification	
Operating Temp. Low (°C)	-55
Operating Temp. High (°C)	85
Storage Temp. Low (°C)	-60
Storage Temp. High (°C)	90

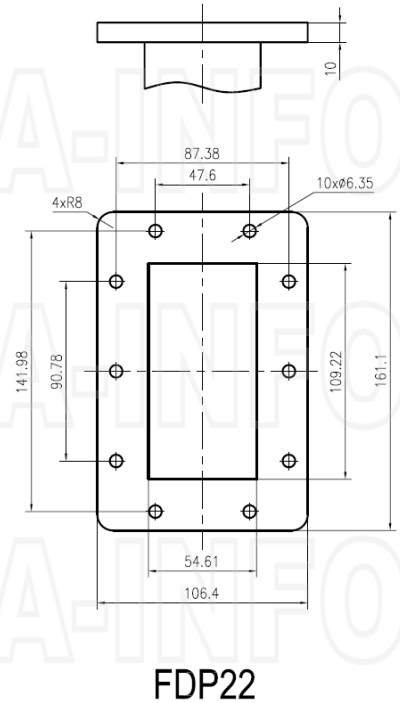
Additional Information

Application	General Purpose Indoor & Outdoor, Fixed

Outline Drawing(Size: mm)



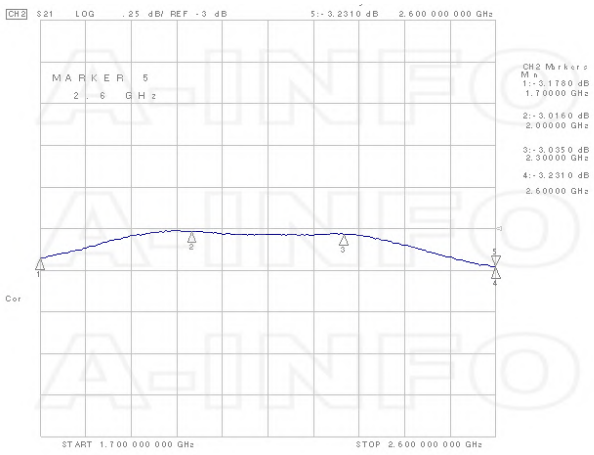
Flange Drawing(Size: mm)



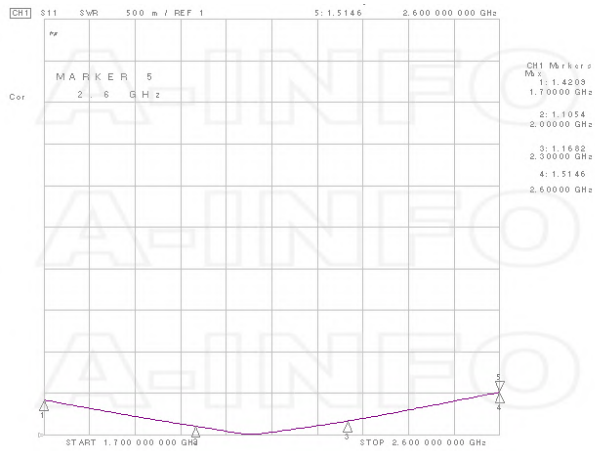
FDP22

Typical Test Results

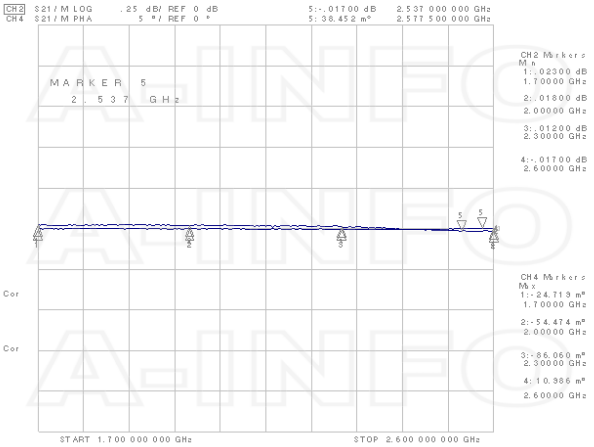
Insertion Loss(Including the theoretical loss 3.0dB)



VSWR



Amplitude Balance & Phase Balance



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

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

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

● Product Information Product Link: https://www.ainfoinc.com/430wet-wr430-waveguide-e-plane-tee-1-7-2-6-ghz-fdp22-udr22 Data subject to change without notice. © A-INFO INC. 2024. All Rights Reserved	● Contact Us Address: 60 Tesla, Irvine, CA 92618, USA Website: www.ainfoinc.com Email: sales@ainfoinc.com	● Phone & Fax Phone: +1-949-639-9688 +1-949-639-9608 Fax: +1-949-639-9670