187WPL_Cu_P0 WR187 Waveguide Precisoin Load 3.95-5.85GHz with Rectangular Waveguide Interface

WR187 Waveguide Precision Load Operating From 3.95 to 5.85GHz with Rectangular Waveguide Interface

Product Information

SKU	187WPL_Cu_P0

Description

Waveguide precision load 187WPL_Cu_P0, operating from 3.95 to 5.85GHz and low VSWR 1.02:1. 187WPL_Cu_P0 covers the 187WPL_Cu_P0 full waveguide band and comes with one flange APF187. It can handle 8 continuously and 8 peak power. A-INFO Precision Flange(APF) is available for this series. The WPL series low power waveguide fixed terminations are precision, low VSWR terminations suited to a wide variety of precision laboratory applications. The typical applications include full band one-Interface calibration and full two-Interface, isolation calibration. TRM (Thru-Reflect-Match) and SSLT (Short-Short-Load- Thru) calibration methods are supInterfaceed.

Technical Specification

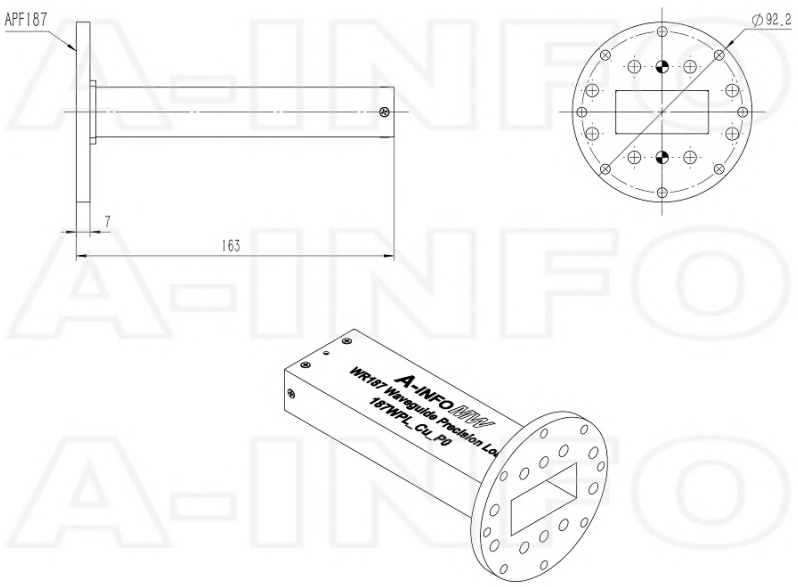
Electrical Specification	
WG Load Type	Precision
Waveguide Band	S C
Waveguide Type	Rectangular
Waveguide Size EIA WR	WR187
Frequency, Min (GHz)	3.95
Frequency, Max (GHz)	5.85
VSWR, Typ	1.015:1
VSWR, Max	1.02:1
Power Handling, CW, (W)	8
Power Handling, Peak, (KW)	8
Interface	
Flange Style	Round
Flange Type	Cover
Flange Designation	APF187

Mechanical Specification	
Body Material	Cu
Size, L (mm)	163
Size, W (mm)	92.2
Size, H (mm)	92.2
Weight, (kg)	0.75
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

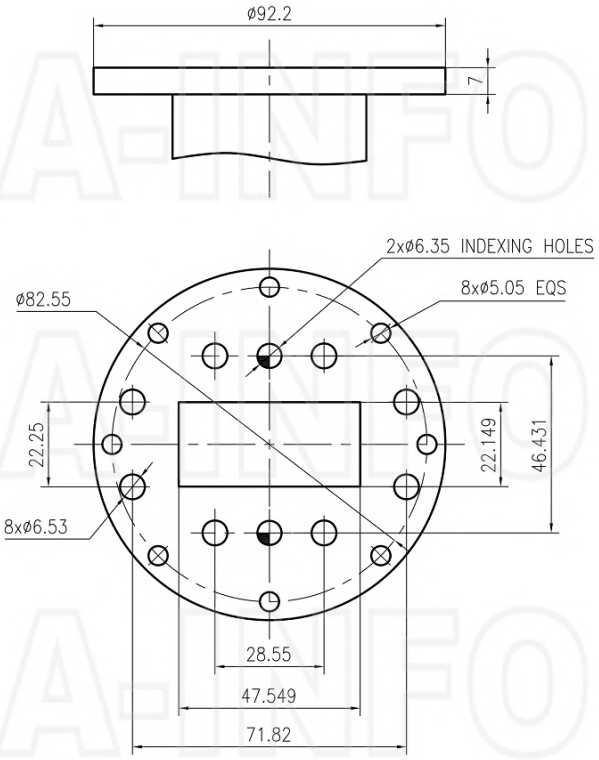
Additional Information

Application	General Purpose Indoor & Outdoor, Fixed

Outline Drawing



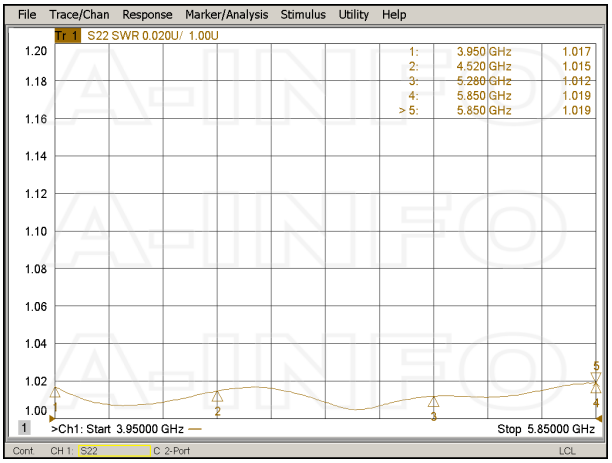
Flange Drawing



APF187

Typical Test Results

VSWR



About this Datasheet

● Product Information Product Link: https://www.ainfoinc.com/187wpl-cu-p0-wr187-waveguide-precision-load-3-95-5-85-ghz-apf187 Data subject to change without notice. 	● 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