

159WPL\_AP WR159 Waveguide Precision Load 4.9-7.05GHz with Rectangular Waveguide Interface

WR159 Waveguide Precision Load Operating From 4.9 to 7.05GHz with Rectangular Waveguide Interface



### Product Information

SKU	159WPL_AP
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### Description

Waveguide precision load 159WPL\_AP, operating from 4.9 to 7.05GHz and low VSWR 1.02:1. 159WPL\_AP covers the 159WPL\_AP sub waveguide band and comes with one flange FAP58(UAR58). It can handle 7 continuously and 7 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		Mechanical Specification	
WG Load Type	Precision	Body Material	Al
Waveguide Band	C	Size, L (mm)	147
Waveguide Type	Rectangular	Size, W (mm)	85.9
Waveguide Size EIA WR	WR159	Size, H (mm)	85.9
Frequency, Min (GHz)	4.9	Weight, (kg)	0.3
Frequency, Max (GHz)	7.05	Pressure Sealed	No
VSWR, Typ	1.015:1	Environmental Specification	
VSWR, Max	1.02:1	Operating Temp. Low (°C)	-55
Power Handling, CW, (W)	7	Operating Temp. High (°C)	85
Power Handling, Peak, (KW)	7	Storage Temp. Low (°C)	-60
		Storage Temp. High (°C)	90
Interface			
Flange Style	Round		
Flange Type	Cover		
Flange Designation	FAP58(UAR58)		

### Additional Information

Application	General Purpose Indoor & Outdoor, Fixed
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### About this Datasheet

<ul style="list-style-type: none"> <li>● <b>Product Information</b>            Product Link:  <a href="https://www.ainfoinc.com/159wpl-ap-wr159-waveguide-precision-load-4-9-7-05-ghz-fap58-uar58">https://www.ainfoinc.com/159wpl-ap-wr159-waveguide-precision-load-4-9-7-05-ghz-fap58-uar58</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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