

90WPL\_EP WR90 Waveguide Precision Load 8.2-12.4GHz with Rectangular Waveguide Interface



WR90 Waveguide Precision Load Operating From 8.2 to 12.4GHz with Rectangular Waveguide Interface

### Product Information

SKU	90WPL_EP
-----	----------

### Description

Waveguide precision load 90WPL\_EP, operating from 8.2 to 12.4GHz and low VSWR 1.015:1. 90WPL\_EP covers the 90WPL\_EP sub waveguide band and comes with one flange FEP100(UER100). It can handle 4 continuously and 4 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	X Ku	Size, L (mm)	127
Waveguide Type	Rectangular	Size, W (mm)	44.9
Waveguide Size EIA WR	WR90	Size, H (mm)	32.2
Frequency, Min (GHz)	8.2	Weight, (kg)	0.2
Frequency, Max (GHz)	12.4	Pressure Sealed	No
VSWR, Typ	1.012	Environmental Specification	
VSWR, Max	1.015:1	Operating Temp. Low (°C)	-55
Power Handling, CW, (W)	4	Operating Temp. High (°C)	85
Power Handling, Peak, (KW)	4	Storage Temp. Low (°C)	-60
Storage Temp. High (°C)	90		
Interface			
Flange Style	Rectangular		
Flange Type	Cover		
Flange Designation	FEP100(UER100)		

### Additional Information

Application	General Purpose Indoor & Outdoor, Fixed
-------------	-----------------------------------------

### About this Datasheet

<ul style="list-style-type: none"> <li>● <b>Product Information</b>            Product Link:  <a href="https://www.ainfoinc.com/90wpl-ep-wr90-waveguide-precision-load-8-2-12-4-ghz-fep100-uer100">https://www.ainfoinc.com/90wpl-ep-wr90-waveguide-precision-load-8-2-12-4-ghz-fep100-uer100</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>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------