

62WPL\_DP WR62 Waveguide Precision Load 12.4-18GHz with Rectangular Waveguide Interface

WR62 Waveguide Precision Load Operating From 12.4 to 18GHz with Rectangular Waveguide Interface



### Product Information

|     |          |
|-----|----------|
| SKU | 62WPL_DP |
|-----|----------|

### Description

Waveguide precision load 62WPL\_DP, operating from 12.4 to 18GHz and low VSWR 1.02:1. 62WPL\_DP covers the 62WPL\_DP sub waveguide band and comes with one flange FDP140(UDR140). It can handle 1.5W continuously and 1.5KW 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             | Ku             | Size, L (mm)                | 102  |
| Waveguide Type             | Rectangular    | Size, W (mm)                | 49   |
| Waveguide Size EIA WR      | WR62           | Size, H (mm)                | 39.5 |
| Frequency, Min (GHz)       | 12.4           | Weight, (kg)                | 0.05 |
| Frequency, Max (GHz)       | 18             | Pressure Sealed             | No   |
| VSWR, Typ                  | 1.015:1        | Environmental Specification |      |
| VSWR, Max                  | 1.02:1         | Operating Temp. Low (°C)    | -55  |
| Power Handling, CW, (W)    | 1.5            | Operating Temp. High (°C)   | 85   |
| Power Handling, Peak, (KW) | 1.5            | Storage Temp. Low (°C)      | -60  |
| Interface                  |                | Storage Temp. High (°C)     | 90   |
| Flange Style               | Rectangular    |                             |      |
| Flange Type                | Cover          |                             |      |
| Flange Designation         | FDP140(UDR140) |                             |      |

### Additional Information

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

### About this Datasheet

|   |  |  |
|---|--|--|
| <ul style="list-style-type: none"> <li>● <b>Product Information</b><br/>           Product Link:<br/> <a href="https://www.ainfoinc.com/62wpl-dp-wr62-waveguide-precision-load-12-4-18-ghz-fdp140-udr140">https://www.ainfoinc.com/62wpl-dp-wr62-waveguide-precision-load-12-4-18-ghz-fdp140-udr140</a><br/>           Data subject to change without notice.<br/>           © A-INFO INC. 2024. All Rights Reserved</li> </ul> | <ul style="list-style-type: none"> <li>● <b>Contact Us</b><br/>           Address:<br/>           60 Tesla, Irvine, CA 92618, USA<br/><br/>           Website:<br/> <a href="http://www.ainfoinc.com">www.ainfoinc.com</a><br/><br/>           Email:<br/> <a href="mailto:sales@ainfoinc.com">sales@ainfoinc.com</a></li> </ul> | <ul style="list-style-type: none"> <li>● <b>Phone &amp; Fax</b><br/>           Phone:<br/>           +1-949-639-9688<br/>           +1-949-639-9608<br/><br/>           Fax:<br/>           +1-949-639-9670</li> </ul> |
|---|--|--|