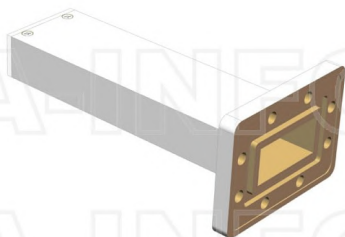


137WPL\_DM WR137 Waveguide Precision Load 5.85-8.2GHz with Rectangular Waveguide Interface

WR137 Waveguide Precision Load Operating From 5.85 to 8.2GHz with Rectangular Waveguide Interface



### Product Information

|     |           |
|-----|-----------|
| SKU | 137WPL_DM |
|-----|-----------|

### Description

Waveguide precision load 137WPL\_DM, operating from 5.85 to 8.2GHz and low VSWR 1.02:1. 137WPL\_DM covers the 137WPL\_DM sub waveguide band and comes with one flange FDM70(PDR70). It can handle 6 continuously and 6 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<br>X       | Size, L (mm)                | 132  |
| Waveguide Type             | Rectangular  | Size, W (mm)                | 68.3 |
| Waveguide Size EIA WR      | WR137        | Size, H (mm)                | 49.2 |
| Frequency, Min (GHz)       | 5.85         | Weight, (kg)                | 0.2  |
| Frequency, Max (GHz)       | 8.2          | Pressure Sealed             | No   |
| VSWR, Typ                  | 1.015:1      | Environmental Specification |      |
| VSWR, Max                  | 1.02:1       | Operating Temp. Low (°C)    | -55  |
| Power Handling, CW, (W)    | 6            | Operating Temp. High (°C)   | 85   |
| Power Handling, Peak, (KW) | 6            | Storage Temp. Low (°C)      | -60  |
|                            |              | Storage Temp. High (°C)     | 90   |
| Interface                  |              |                             |      |
| Flange Style               | Rectangular  |                             |      |
| Flange Type                | Grooved      |                             |      |
| Flange Designation         | FDM70(PDR70) |                             |      |

### 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/137wpl-dm-wr137-waveguide-precision-load-5-85-8-2-ghz-fdm70-pdr70">https://www.ainfoinc.com/137wpl-dm-wr137-waveguide-precision-load-5-85-8-2-ghz-fdm70-pdr70</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> |
|---|--|---|