

WR-137 Waveguide Section 12 Inch Length Straight Using CPR-137G Flange With a 5.85 GHz to 8.2 GHz Frequency Range in Commercial Grade

Electrical Specifications*

| Description | Min | Typ | Max | Units |
|-----------------|------|-----|------------|--------------|
| Frequency Range | 5.85 | | 8.2 | GHz |
| VSWR | | | 1.03:1 | |
| Insertion Loss | | | 0.1 [0.33] | dB/ft [dB/m] |

* Values at 25°C, sea level

Mechanical Specifications

Waveguide Size: WR-137
 Waveguide Design: Commercial Grade
 Section Length: 12 in [304.8 mm]

Flange 1

Interface: CPR-137G
 Material: Copper Alloy
 Plating: Paint

Waveguide

Interface: WR-137
 Material: Copper Alloy
 Plating: Paint

Flange 2

Interface: CPR-137G
 Material: Copper Alloy
 Plating: Paint

Compliance Certifications (visit www.FairviewMicrowave.com for current document)

Plotted and Other Data

Notes:
 • Values at 25 °C, sea level



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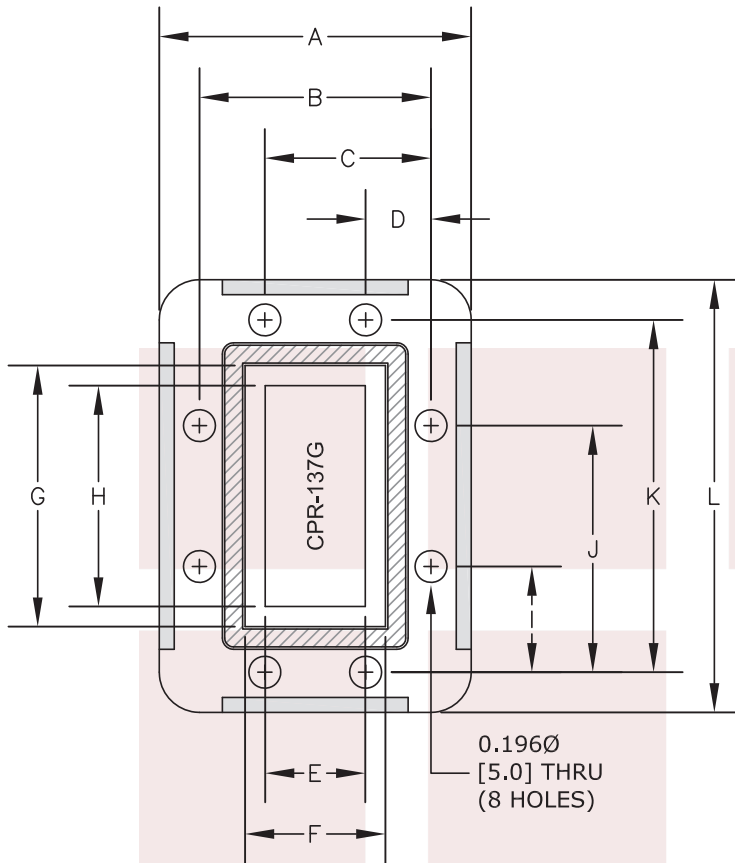
WR-137 Waveguide Section 12 Inch Length Straight Using CPR-137G Flange With a 5.85 GHz to 8.2 GHz Frequency Range in Commercial Grade from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-137 Waveguide Section 12 Inch Length Straight Using CPR-137G Flange With a 5.85 GHz to 8.2 GHz Frequency Range in Commercial Grade SMF137SA-12](#)

URL: <http://www.fairviewmicrowave.com/wr-137-waveguide-section-cpr-137g-flange-5.85-8.2-ghz-smf137sa-12-p.aspx>

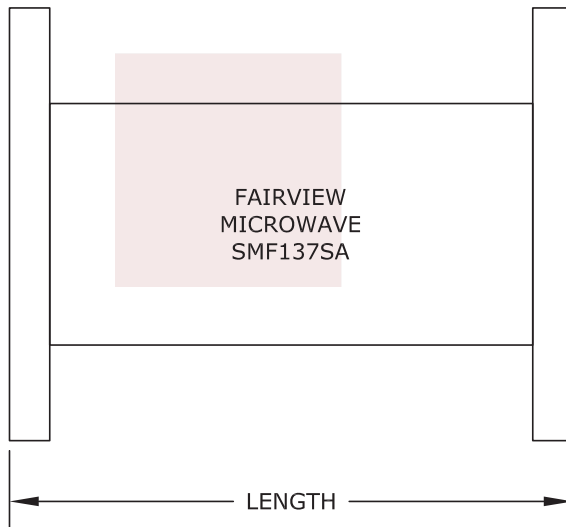
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.





| CPR-137G | | |
|-----------|--------|-------|
| Dimension | Inches | mm |
| A | 1.937 | 49.20 |
| B | 1.436 | 36.47 |
| C | 1.029 | 26.14 |
| D | 0.404 | 10.26 |
| E | 0.622 | 15.80 |
| F | 0.872 | 22.15 |
| G | 1.622 | 41.20 |
| H | 1.372 | 34.85 |
| I | 0.654 | 16.61 |
| J | 1.529 | 38.84 |
| K | 2.186 | 55.52 |
| L | 2.687 | 68.25 |

| CPR-137G | |
|-------------|--------|
| PN | Length |
| SMF137SA-3 | 3 in. |
| SMF137SA-6 | 6 in. |
| SMF137SA-9 | 9 in. |
| SMF137SA-12 | 12 in. |



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NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

TITLE
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| | | | | | |
|---------------------------|-------|---------------------------|-----------|------|--|
| DWG NO SMF137SA | | CAGE CODE 3FKR5 | | | |
| CAD FILE 062414 | SHEET | SCALE N/A | SIZE A | 2233 | |