

**WR-137 Waveguide Section 6 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: 6 in [152.4 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](http://www.FairviewMicrowave.com) for current document)

**Plotted and Other Data**

Notes:

- Values at 25 °C, sea level

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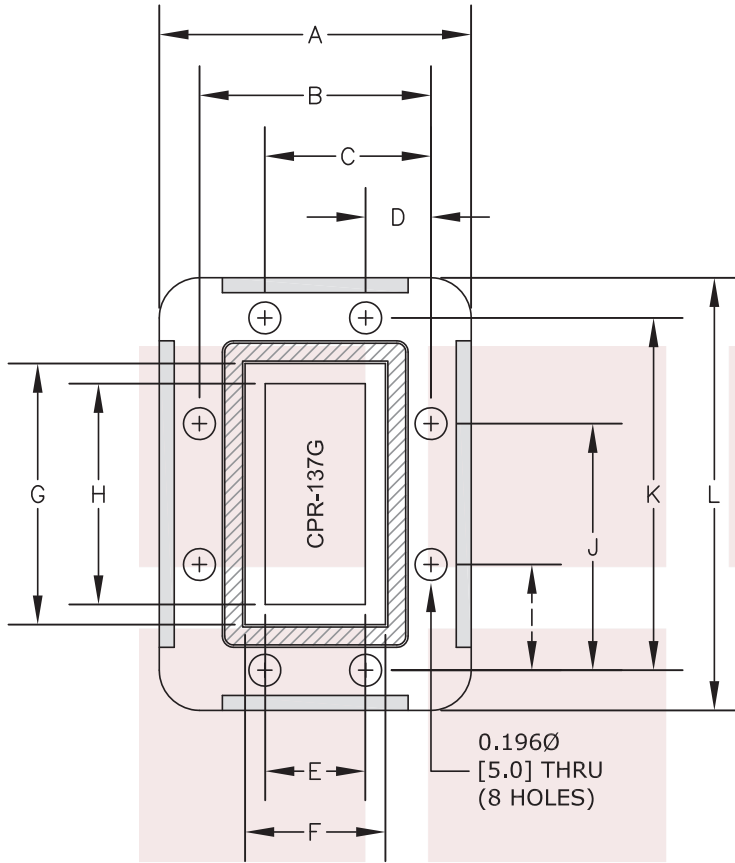
WR-137 Waveguide Section 6 Inch Length Straight Using CPR-137G Flange With a 5.85 GHz to 8.2 GHz Frequency Range in Commercial Grade from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-137 Waveguide Section 6 Inch Length Straight Using CPR-137G Flange With a 5.85 GHz to 8.2 GHz Frequency Range in Commercial Grade SMF137SA-06](#)

URL: <http://www.fairviewmicrowave.com/wr-137-waveguide-section-cpr-137g-flange-5.85-8.2-ghz-smf137sa-06-p.aspx>

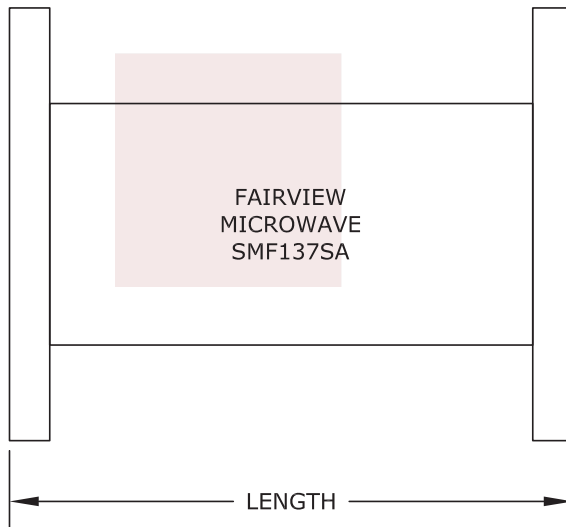
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to 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.



**FAIRVIEW MICROWAVE INC.**  
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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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Frequency Range in Commercial Grade

DWG NO <b>SMF137SA</b>		CAGE CODE <b>3FKR5</b>		
CAD FILE 062414	SHEET	SCALE N/A	SIZE A	2233