

**WR-90 Waveguide E-Bend Commercial Grade
 Using CPR-90G Flange With a 8.2 GHz to 12.4 GHz
 Frequency Range**

Electrical Specifications*

Description	Min	Typ	Max	Units
Frequency Range	8.2		12.4	GHz
VSWR			1.08:1	
Insertion Loss		0.15		dB

* Values at 25°C, sea level

Mechanical Specifications

Waveguide Size WR-90
 Waveguide Design Commercial Grade

Flange 1

Interface CPR-90G
 Material Copper Alloy
 Plating Paint

Waveguide

Interface WR-90
 Material Copper Alloy
 Plating Paint

Flange 2

Interface UG-39/U
 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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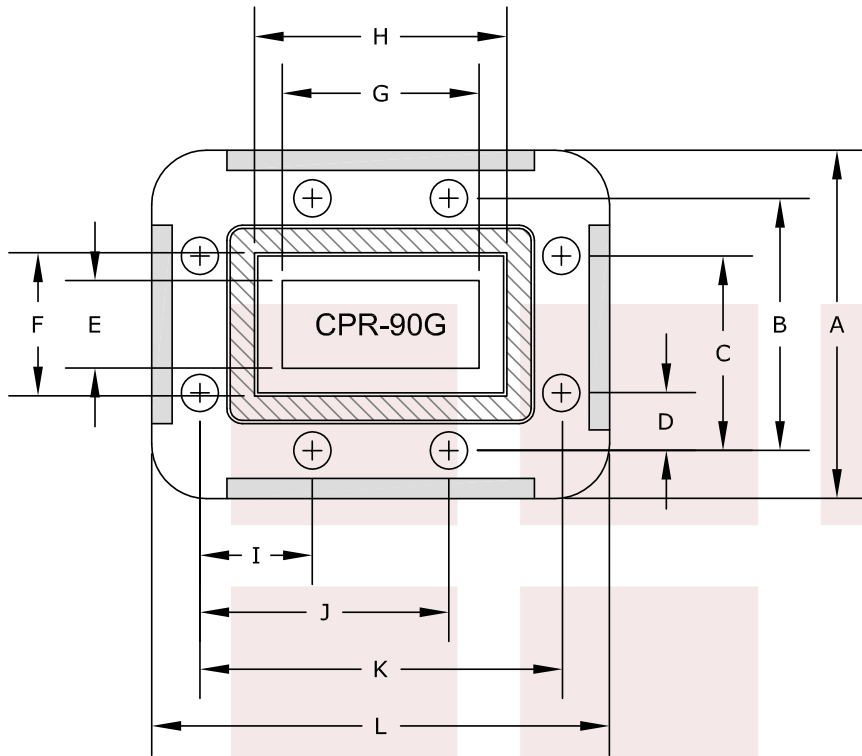
WR-90 Waveguide E-Bend Commercial Grade Using CPR-90G Flange With a 8.2 GHz to 12.4 GHz Frequency Range from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-90 Waveguide E-Bend Commercial Grade Using CPR-90G Flange With a 8.2 GHz to 12.4 GHz Frequency Range SMF90EBA](#)

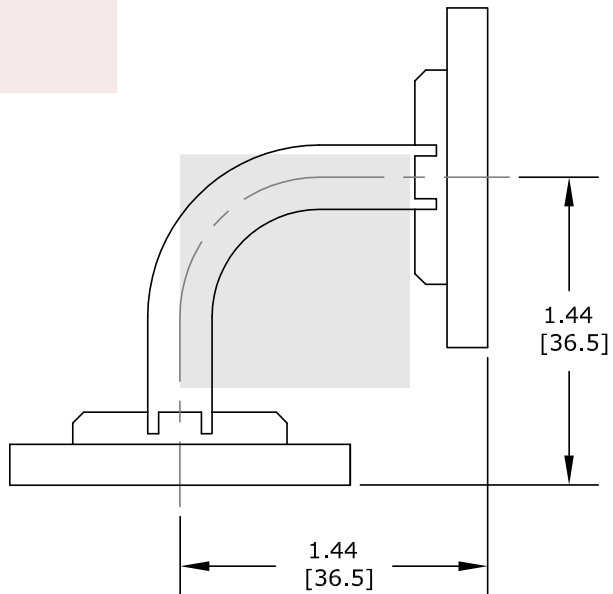
URL: <http://www.fairviewmicrowave.com/wr-90-waveguide-e-bend-cpr-90g-flange-8.2-12.4-ghz-smf90eba-p.aspx>

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-90		
Dimension	Inches	mm
A	1.600	40.64
B	1.560	39.62
C	0.889	22.58
D	0.266	6.76
E	0.400	10.16
F	0.504	12.80
G	0.900	22.86
H	1.003	25.48
I	0.514	13.06
J	1.139	28.93
K	1.655	42.04
L	2.063	52.39



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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DWG NO		SMF90EBA		CAGE CODE		3FKR5	
CAD FILE	062714	SHEET		SCALE	N/A	SIZE	A 150