

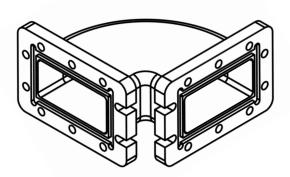
# Data Sheet HB-WR284-03

# H-Bend CPR284 G-G

Author C. Revision 00 Release 01

C. Weil 00 01.02.2016

Page 1 of 2



Parameter	Value		
Footprint Drawing No.	FP-10074144		
Product Type	Waveguide Bend		
Configuration	H-Bend 90°		
Center Frequency fo	2856 MHz and 2998 MHz		
Bandwidth BW	± 10 MHz		
Forward Peak Power	20 MW max.		
Forward Average Power	15 kW max.		
Reverse Power	100% at any phase		
Insertion Loss	≤ 0.05 dB		
Return Loss	≥ 30 dB		
VSWR	< 1.065		
RF Waveguide	WR284		
RF Flanges / Connectors	2x CPR284G, grooved, 10 holes Ø 6.5 mm		
Cooling System	none		
Waveguide Dielectric Filling Gas	SF6		
Gas Pressure	nominal:	3 bar absolute	
	maximum:	4 bar absolute	
Gas Leak Rate (Helium)	< 5·10 <sup>-4</sup> mbar l/s		
	device pressurized with He gas at 2.5 bar gauge		
Ambient Temperature	operating:	10°C to 40°C	
	storage:	0°C to 60°C	
Relative Humidity	< 80%, non-condensing		
Body Material	Aluminium		



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Page 2 of 2

Surface Finish	none
Dimensions	see footprint drawing, bend radius 77.5 mm
Weight	0.6 kg approximately
Mounting Orientation	any
Accessories included	2x metallic gasket p/n 1-0002998000-000

## **Ordering Code**

## HB-WR284-03

#### Notes:

- Low-Power Acceptance Tests: The following tests will be performed at the AFT factory before shipment: (1) small-signal network analyzer measurements of input return loss vs. frequency at room temperature, (2) He-gas leak rate testing.
- <u>Documentation</u>: An owner's manual is supplied for providing information on the installation, operation and maintenance of the device. The documentation will also include specification, footprint drawing.

As an option to be ordered separately, extended documentation is available in terms of a lowpower RF test report (viewgraphs S-parameters vs. frequency) or written factory test protocol.

Rev.	Remark	Date	Name
00	Initial	20.11.2015	C. Weil
	Footprint drawing no., doc. number added	01.02.2016	C. Weil