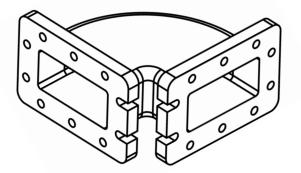


Data Sheet HB-WR284-02

H-Bend CPR284 F-F

Author
RevisionC. Weil
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Parameter	Value		
Footprint Drawing No.	FP-10074143		
Product Type	Waveguide Bend		
Configuration	H-Bend 90°		
Center Frequency f₀	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 CPR284F, flat, 10 holes \varnothing 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 ⁻⁴ 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		



H-Bend CPR284 F-F

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Surface Finish	none
Dimensions	see footprint drawing, bend radius 77.5 mm
Weight	0.6 kg approximately
Mounting Orientation	any
Accessories included	none

Ordering Code

HB-WR284-02

Notes:

- Low-Power Acceptance Tests: The following tests will be performed at the AFT factory before 1 shipment: (1) small-signal network analyzer measurements of input return loss vs. frequency at room temperature, (2) He-gas leak rate testing.
- Documentation: An owner's manual is supplied for providing information on the installation, 2 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	01.02.2016	C. Weil