



Parameter	Value
Footprint Drawing No.	FP-10074144
Product Type	Waveguide Bend
Configuration	H-Bend 90°
Center Frequency $f_0$	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

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

**Ordering Code**

**HB-WR284-03**

**Notes:**

- 1 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.
- 2 Documentation: 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 low-power 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