



Parameter	Value	
Footprint Drawing No.	FP-10074142	
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	1x CPR284F, flat, 10 holes Ø 6.5 mm	
	1x 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 ⁻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
Surface Finish	none
Dimensions	see footprint drawing, bend radius 77.5 mm
Weight	0.6 kg approximately
Mounting Orientation	any
Accessories included	1x metallic gasket p/n 1-0002998000-000

Ordering Code

HB-WR284-01

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	01.02.2016	C. Weil