



Parameter	Value	
Footprint Drawing No.	t.b.d.	
Product Type	Waveguide Bend	
Configuration	H-Bend 90° with arc viewport located at the corner of the bend	
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 CPR284F, flat, 10 holes Ø 6.5 mm	
Arc Viewport Connector	1x FSMA ¼"-36 UNS-2A, gas pressure tight	
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	none

Rev.	Remark	Date	Name
00	Initial	02.05.2019	C. Weil
	New logo, notes removed	20.02.2024	C. Weil