



Parameter	Value	
Footprint Drawing No.	t.b.d.	
Product Type	Waveguide Bend	
Configuration	E-Bend 90° with a FSMA arc viewport 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, male thread, 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 <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

<b>Relative Humidity</b>	< 80%, non-condensing
<b>Body Material</b>	Aluminium
<b>Surface Finish</b>	none
<b>Dimensions</b>	see footprint drawing, bend radius 56.6 mm
<b>Weight</b>	0.5 kg approximately
<b>Mounting Orientation</b>	any
<b>Accessories included</b>	none

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