



Parameter	Value
Footprint Drawing No.	FP-10074143
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 CPR284F, flat, 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	none

Rev.	Remark	Date	Name
00	Initial	01.02.2016	C. Weil
	New logo, notes removed	20.02.2024	C. Weil