



Parameter	Value
Footprint Drawing No.	3-126012-FP
Product Type	E-Probe Flange
Center Frequency f_0	2856 MHz and 2998 MHz
Bandwidth BW	± 10 MHz around each center frequency
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
Probe Coupling	2x -60 dB ± 1.5 dB, non-directional
Probe Connectors	2x N-type female
RF Waveguide	WR284
RF Flanges / Connectors	1x CPR284F, flat, 10 holes $\varnothing 6.5$ mm 1x CPR284G, grooved, 10 holes $\varnothing 6.5$ mm
Waveguide Dielectric Filling Gas	SF6
Gas Pressure	nominal: 3 bar absolute maximum: 4 bar absolute
Gas Leak Rate (Helium)	$< 5 \cdot 10^{-4}$ mbar l/s, device pressurized with He at 2.5 bar gauge
Gas Inlet	G 1/8" female thread, located at one side
Ambient Temperature	operating : 10°C to 40°C storage : 0°C to 60°C
Relative Humidity	$< 80\%$, non-condensing
Body Material	Aluminium
Dimensions and Weight	see footprint drawing, length 24.4 mm
Accessories included	1x metallic gasket WR284 p/n 1-0002998000-000

Rev.	Remark	Date	Name
00	Initial	23.11.2023	C. Weil