



Parameter	Value	
Footprint Drawing No.	FP-10073089	
Product Type	E-Probe Flange	
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	
Probe Coupling	2x -50 dB ± 1 dB, non-directional	
Probe Connectors	2x N-type female	
RF Waveguide	WR284	
RF Flanges / Connectors	1x CPR284F, flat, 10x M6	
	1x CPR284G, grooved, 10x M6	
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 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, uncoated	
Dimensions and Weight	see footprint drawing	
Accessories included	1x metallic gasket WR284 p/n 1-0002998000-000	

Rev.	Remark	Date	Name
00	Initial	09.02.2016	C. Weil
	New logo	20.02.2024	C. Weil