



Parameter	Value
Footprint Drawing No.	FP-10074157
Product Type	E-Probe Flange
Center Frequency $f_0$	2856 MHz and 2998 MHz
Bandwidth BW	$\pm 10$ MHz
Forward Peak Power	20 MW max.
Forward Average Power	15 kW max.
Reverse Power	100% at any phase
Insertion Loss	$\leq 0.05$ dB
Return Loss	$\geq 30$ dB
Probe Coupling	2x -50 dB $\pm 1$ dB, non-directional
Probe Connectors	2x N-type female
RF Waveguide	WR284
RF Flanges / Connectors	2x CPR284F, flat, 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 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	none

Rev.	Remark	Date	Name
00	Initial	09.02.2016	C. Weil