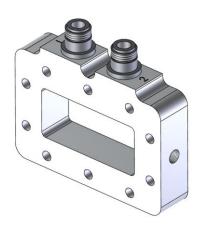


Data Sheet EP-WR284-10-60

Flange E-Probe -60dB CPR284 F-G with gas inlet G 1/8"

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Revision 00
Release 23.11.2023
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Parameter	Value		
Footprint Drawing No.	3-126012-FP		
Product Type	E-Probe Flange		
Center Frequency f ₀	2856 MHz and 2998 MHz		
Bandwidth BW	\pm 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	\leq 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)	$< 5 \cdot 10^{\text{-4}} \text{ mbar l/s, device pressurized with He at 2.5 bar gauge}$		
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