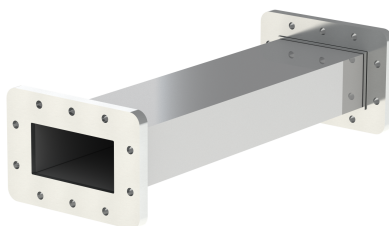


STRAIGHT WAVEGUIDE WR340 WG9A R26 WR340-SW-AI



Electrical Parameters

Operating band	S (per IEEE)
Frequency range	2200 ÷ 3300 MHz (2.2 ÷ 3.3 GHz)
Internal dimensions	86.36×43.18 mm
Waveguide attenuation	0.020 dB/m
Flange attenuation	0.02 dB per flange
VSWR	max. 1,10
Peak power	max. 52 MW
Average power	max. 7 kW (CW)

Conditions:

- frequency: 2465 MHz
- dielectric medium: SF₆ 2 bar or vacuum 1×10^{-3} mbar
- load VSWR: 1.0 : 1
- pulse parameters: 4.5 μ s, 30 Hz
- waveguide temperature above ambient temperature: max. 20 °C
- internal finish: bare
- external finish: bare

Mechanical Parameters

Waveguide material	aluminium (AW-6082)
Flange material	Al (AW-6082)
Internal surfaces	bare / additional finishing
External surfaces	bare / powder coating
Gasket	Viton (fluoroelastomer)
Operating temperature	max 75 °C
Operating pressure	≤ 2 bar (absolute)
Operating vacuum	$\leq 1 \times 10^{-3}$ mbar (absolute)
Gas leak rate*	$< 5 \times 10^{-3}$ mbar l/s (< 0.00001 m ³ /h)

* tested with He gas at 2 bar pressure

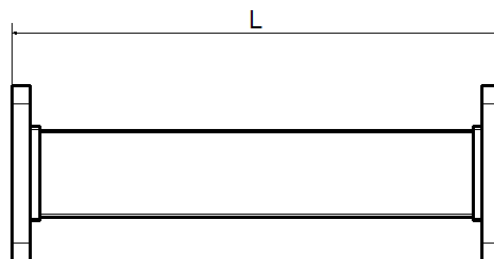
Environmental Conditions

The waveguide may be filled with SF₆ gas, nitrogen N₂, or dry air at an absolute pressure of 2×10^5 Pa (2 bar) or evacuated to an absolute pressure of max. 1×10^{-1} Pa (1×10^{-3} mbar).

Condensation of water on waveguide surfaces must be prevented during operation and storage.

Waveguide Length

The ordered waveguide length L shall be within the range of 50 to 1000 mm. Standard length tolerance is ± 1 mm (± 0.1 mm on request).

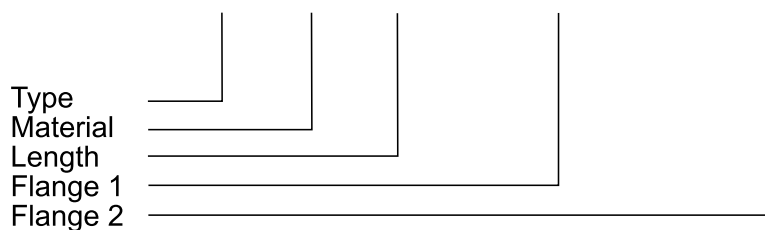


Microwave Flanges

CPR340F	Connector Pressurized Rectangular Flat
CPR340G	Connector Pressurized Rectangular Grooved
FDP26	Flange Design Plain
FDM26	Flange Design Modified (Grooved)

Order Code

WR340 - SW - AI - 250 - CPR340F - CPR340G



Additional parameters should be specified in the order description.