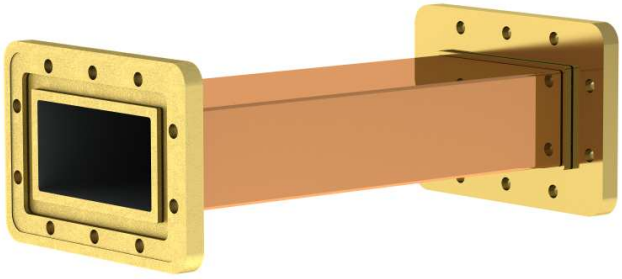
STRAIGHT WAVEGUIDE WR284–SW–Cu



Electrical parameters

Operating band	S (per IEEE)
Frequency range	2600 ÷ 3950 MHz (2,60 ÷ 3,95 GHz)
Internal dimensions	72,14×34,04 mm
Wall thickness	2,03 / 3,175 mm
Waveguide attenuation	0,025 dB/m
Flange attenuation	0,1 dB
Peak power	max. 23 MW
Average power	max. 7 kW (CW)

Technical conditions:

- dielectric medium: SF_6 3 bar or vacuum 1×10^{-3} mbar
- load VSWR: 1.0 : 1
- pulse parameters: 15 μs, 20 Hz
- waveguide temperature: max. 40 °C
- internal finish: bare
- external finish: powder coating

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Mechanical parameters

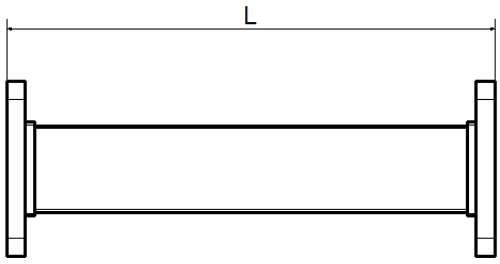
Waveguide material	copper (Cu-ETP)
Flange material	brass (MO58); stainless steel (316L)
Internal finish	bare / silver-plated
External finish	bare / powder-coated
Gasket material	Viton / conductive elastomer
Operating temperature	max 75 °C
Working pressure	$\leqslant$3 bar (absolute)
Working vacuum	$\leqslant 1\times10^{-3}$ mbar (absolute)
Gas leak rate	$<1\times10^{-6}$ mbar l/s ($<4\times10^{-6}$ m^3/h)

Environmental conditions

The waveguide may be filled with SF_6 gas, nitrogen N_2, dry air at an absolute pressure of 3×10^5 Pa (3 bar), or evacuated to a maximum absolute pressure of 1×10^{-1} Pa (1×10^{-3} mbar).
During operation and storage, condensation of water on waveguide surfaces must not be permitted.

Waveguide length

The ordered waveguide length L shall be in the range from 100 to 1000 mm. Standard length tolerance is $\pm$ 1 mm (on request $\pm$ 0,1 mm).



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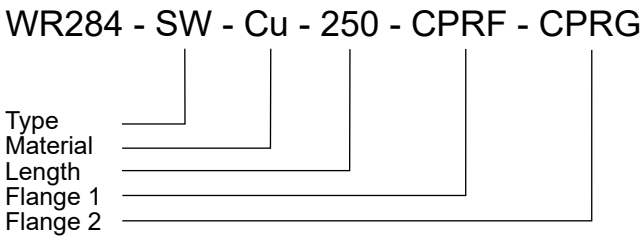
Microwave flanges

MFM32	Machined Flange Male
MFF32	Machined Flange Female
CPRF32	Connector Pressurized Rectangular Flat
CPRG32	Connector Pressurized Rectangular Grooved

Ordering code



Additional parameters should be specified as a description.

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