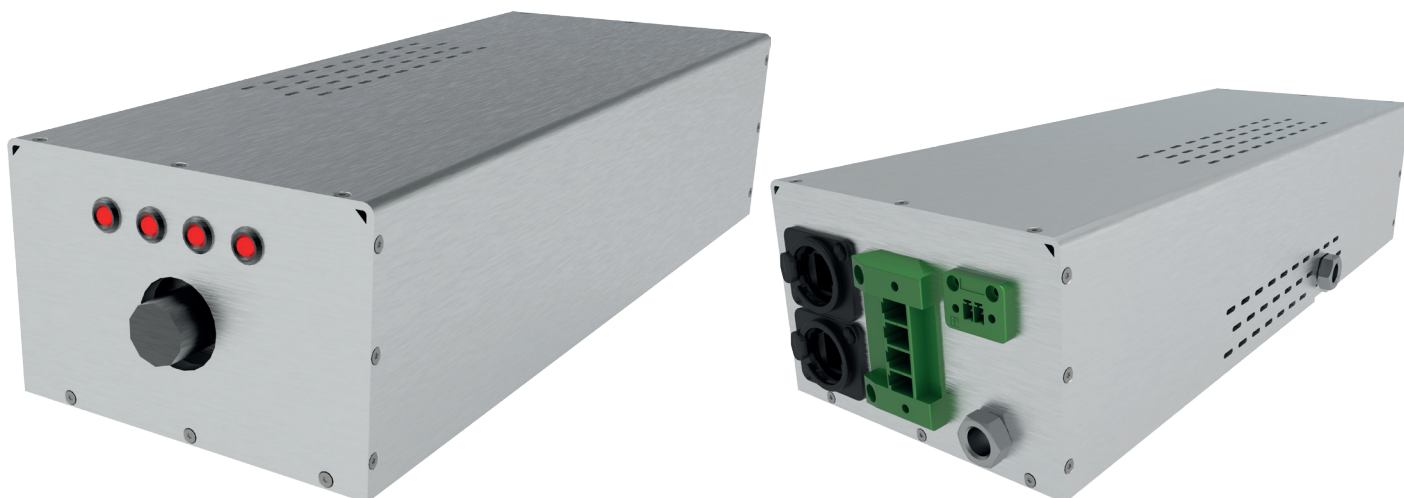


Solid State Microwave Generator

2400..2500 MHz, 250 W, Watercooled

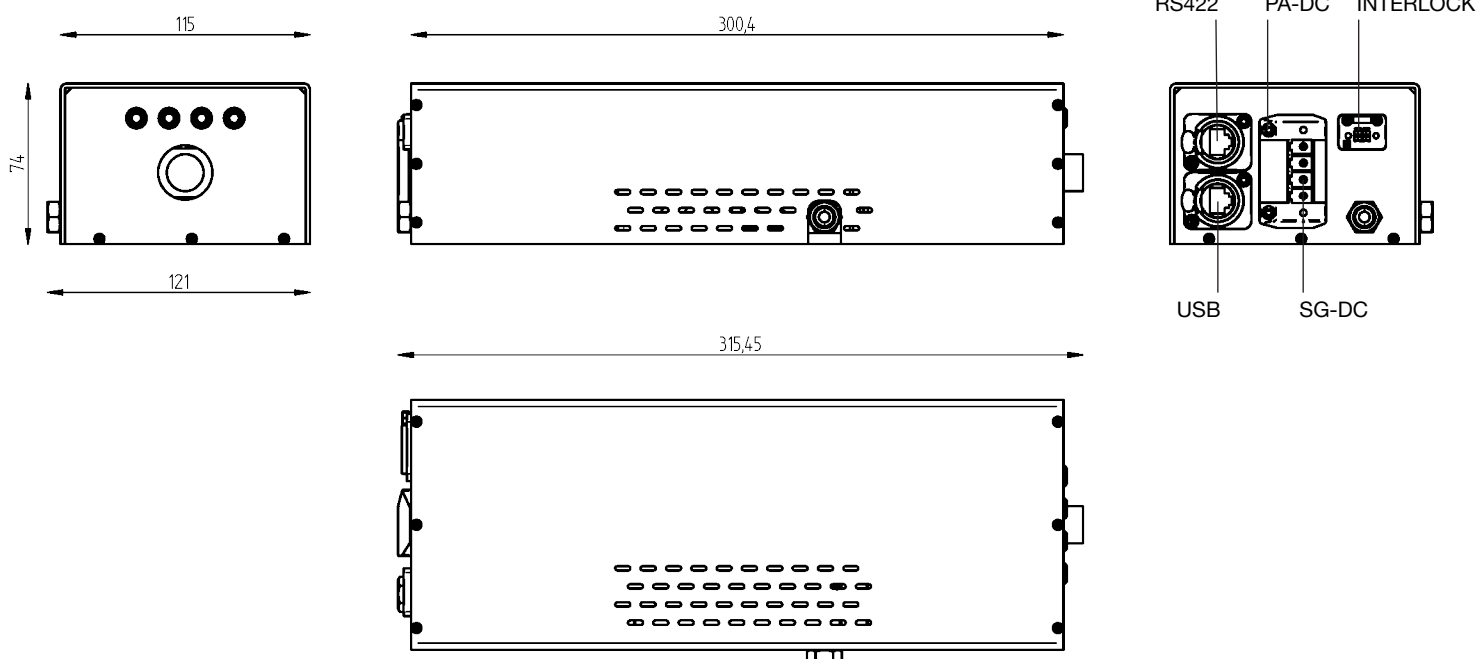
FM - SGK25W0CG0

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KEY FEATURES | TECHNICAL DETAILS

- Designed for industry heating process application
- Frequency band 2400..2500 MHz
- Maximum 250 Watts output power
- 10 Watts - 250 Watts setting range
- Flexible signal generator with CW or Pulse
- Output load VSWR Protection
- High efficiency water cooling mechanical design



SPECIFICATION

Electrical and Technical Data

Frequency band	2400..2500 MHz
Maximum output power	250 W
	54 dBm
Efficiency	≥ 54 %
Power setting range	20 - 250 W
	1 W-steps
Frequency setting range	2400..2500 MHz
	0.1 MHz-steps
Pulse frequency	1 – 20 kHz
Duty cycle	1 – 100 %
Pulse rise time	≤ 200 ns
Pulse fall time	≤ 200 ns
MTBF	≥ 100000 h
Power supply SG/PA	24 / 32 V _{DC} (depending on safety requirements)
DC power consumption	600 W max.

Ambient Conditions

Environment temperature	+ 10° to + 55° C
Water flow	≥ 2 l/min.
Cooling water temperature	+18° C to +27° C (non condensing)
Cooling water pressure	≥ 3 bar

Mechanical Data

Dimensions without connector (WxHxD)	74 x 121 x 315 mm
Weight	2.2 kg