



NWO.30.800xxx-LF

1. Specification (Preliminary)	
Nominal frequency at T = +25°C, U _c = 2.5V :	100.0 MHz
Initial frequency Tolerance:	< ± 0.1 ppm
Frequency stability in temp. range -55°C to +70°C :	< ± 0.1 ppm
Aging (after 30 days of operation) :	< ± 5 × 10 ⁻⁹ / day < ± 5 × 10 ⁻⁷ / 1 st year
Frequency stability vs. supply changes (V _s ± 5 % max) : vs load changes (± 10% max) :	< ± 5 × 10 ⁻⁸ < ± 2 × 10 ⁻⁸
Frequency correction by external voltage V _c : Positive slope	> ± 3.0 ppm
Control voltage V _c :	0V to 8.0V
Supply voltage V _s :	+ 12 V ± 5 %
Transfer function / Linearity:	Positive / 10%
Output signal: Level : Load :	Sinewave > 0 dBm 50 Ohm
Power consumption @ +25°C steady state: during warm-up @ +25°C:	≤ 150mA ≤ 500mA
Phase noise: 10 Hz: 100 Hz 1 kHz 10 kHz:	-85 dBc / Hz -115 dBc / Hz -140 dBc / Hz -160 dBc / Hz
Harmonics:	< -25 dBc
Warm-up time @+25°C @Initialfrequency < ± 0.2ppm: :	< 3min
Operating temperature range: Storage temperature range:	-55°C ... +70°C -55°C ... +85°C



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2. Environmental conditions

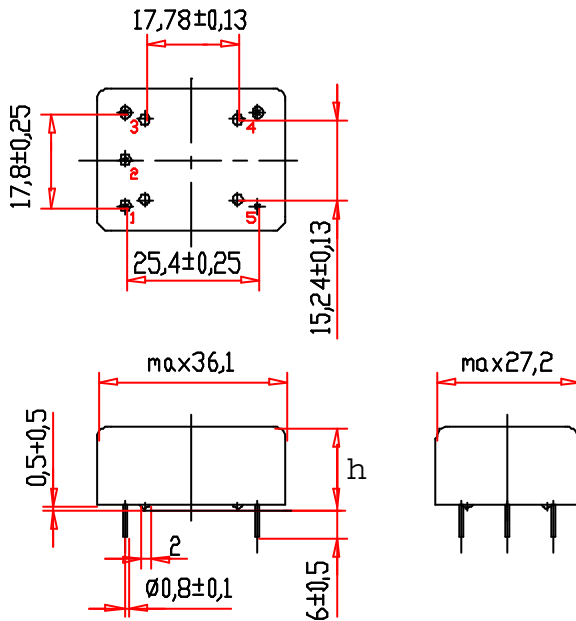
According to KVG Product Qualification Procedure AA-QM-200

3. Marking

Manufacturer's name, date code(week/year); Specification; Center frequency

4. Case

Case style: BF9-IS



height max. incl. Stand-off 16 mm

1. Pin configuration

1. Control voltage V_C
2. Reference output $V_{ref} = 8.0V$
3. Supply voltage V_S
4. RF-output
5. Ground, case