



ROHS-Compliant Product

NWO.30.xxxxxxLF**1. Specification**

Nominal Frequency F:	10.000 MHz
Frequency stability in the temperature range -40°C to +70°C: vs. supply voltage changes $U_B \pm 5\%$:	$< \pm 1 \times 10^{-8}$ $< \pm 5 \times 10^{-9}$
Aging (after 30 days of continuous operation):	$\leq \pm 0.05$ ppm / year $\leq \pm 0.1$ ppm / 2 years
Supply voltage U_B :	+12.0 V $\pm 5\%$
Power consumption: @ 25°C steady state: during warm-up:	≤ 100 mA ≤ 280 mA
Warm up time : (to $dF \pm 1 \times 10^{-7}$ of final frequency after 1h)	< 5 min
Output voltage : level: load :	sinewave > 7 dBm 50 Ohm
Harmonics:	≤ -30 dBc
Non-Harmonics:	≤ -80 dBc
Phase noise: 10 Hz: 100 Hz: 1 kHz: 10 kHz:	-120 dBc / Hz -140 dBc / Hz -150 dBc / Hz -155 dbc / Hz
Weight	< 25 g
Temperature ranges Operating: Storage:	-40 °C ... +70 °C -40 °C ... +85 °C

2. Environmental conditions

According to KVG Product Qualification Procedure AA-QM-200



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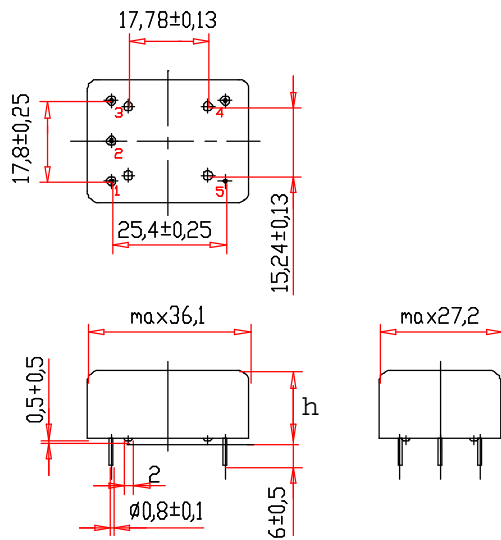


3. Marking

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

4. Case

Case style: BF9-IS



max. height incl. Stand-off: 20.5 mm

1.Pin configuration

1. Control voltage V_C
2. N.C.
3. Supply voltage U_B
4. RF output
5. Ground, case

5. Test circuit

