



ROHS-Compliant Product

OCXO B100 Series



1. Specification						
Type:	B101	B121	B111	B102	B122	B112
Frequency range:	5 ... 20 MHz					
Standard Frequencies:	5.0; 10.0; 13.0; 16.384 MHz					
Frequency stability in the temperature range - 25°C . + 70°C:	<±5x10 ⁻⁸		<±1x10 ⁻⁷			
Frequency stability vs. supply voltage changes UB ± 5 %: vs. load changes ± 5 %:	< ± 5x10 ⁻⁹ < ± 5x10 ⁻⁹					
Aging per day: per year after 30 days of operation:	± 1x10 ⁻⁹ / day ± 5x10 ⁻⁷ / year					
Frequency correction external trimmer: Option U:	± 3 ppm by external trimmer 20 kOhm ± 3 ppm by ext. voltage 0 ... 4 V					
Supply voltage UB:	5 V ± 5 %					
Power consumption: @ - 25°C: @ + 25°C: @ + 70°C: during warm-up:	≤ 2.2 W ≤ 1.0 W ≤ 0.6 W ≤ 3.0 W					
Output voltage : type level min: High; Low voltage: load : duty cycle:	Sinus 3V _{pp} - 500 Ω -	Sinus 0dBm - 50 Ω -	HCMOS 4; 0.4V - 40/60%	Sinus 3V _{pp} - 500 Ω -	Sinus 0dBm - 50 Ω -	HCMOS 4; 0.4V - 40/60%
Phase noise: 100 Hz: 1 kHz: 10 kHz:	-110 dBc / Hz -130 dBc / Hz -140 dBc / Hz					



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Warm-up time @ - 25°C: @ + 25°C:	< 12 min. < 5 min.
Temperature ranges Operating: Operable: Storage:	-25°C ... + 70°C -30°C ... + 75°C -55°C ... + 85°C

2. Environmental conditions

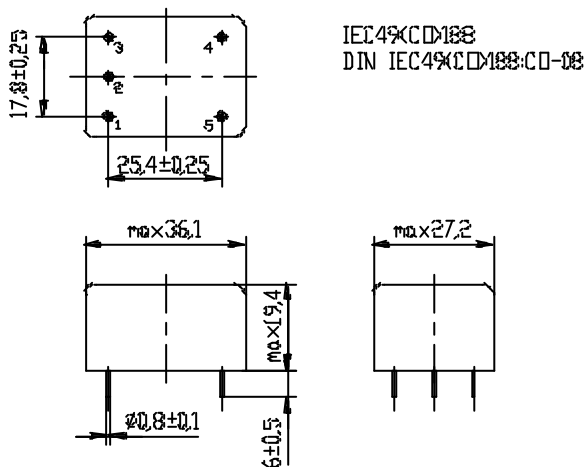
According to KVG Product Qualification Procedure AA-QM-200

3. Marking

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

4. Case

Case style: BF-20



1. Pin configuration

1. Trimmer, SL
2. Trimmer, CW
3. Supply voltage U_B
4. RF-output
5. Ground, case, trimmer

Option U

1. Pulling voltage U_z
2. N.C.
3. Supply voltage U_B
4. RF-output
5. Ground, case,