ROHS-Compliant Product

VCXO-S636-LF

1. Specification

Test conditions: T_A = +25 °C; Vs = +5 V; Vc = 2.5 V unless otherwise identified

Nom. Frequency @ V_C = 2.5 V, T = 25°C:	118.6 MHz
Frequency stability incl.: - nominal frequency tolerance after reflow : - in the temperature range -30°C to +80°C : - vs. supply voltage changes V_S ± 5 % : - vs. load changes ± 10 % : - aging 1st year at 25°C:	< ± 30 ppm
Frequency control range:	≥ ± 35 ppm
Control voltage Vc :	0 V to 5.0 V
Transfer function / Linearity:	Positive / 10 %
Supply voltage V_S:	5 V ± 5 %
Current consumption:	≤ 30 mA
Output voltage: level: load:	Sinewave > 5 dBm 50 Ohm
Harmonics:	-20 dBc
Phasenoise @ 10Hz: @ 100Hz: @ 1kHz: @ 10kHz: @ 100kHz:	Guaranteed - 70 dBc/Hz - 100 dBc/Hz - 140 dBc/Hz - 165 dBc/Hz - 170 dBc/Hz
Temperature ranges Operating Storage:	 -30°C to + 80°C -55°C to + 105°C

ED	Description	Date	Name
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3			
2	Generally revised	19.02.20	J. Mueller
1		07.04.11	H. Kuntz

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VCXO-S636-LF

2. Environmental conditions

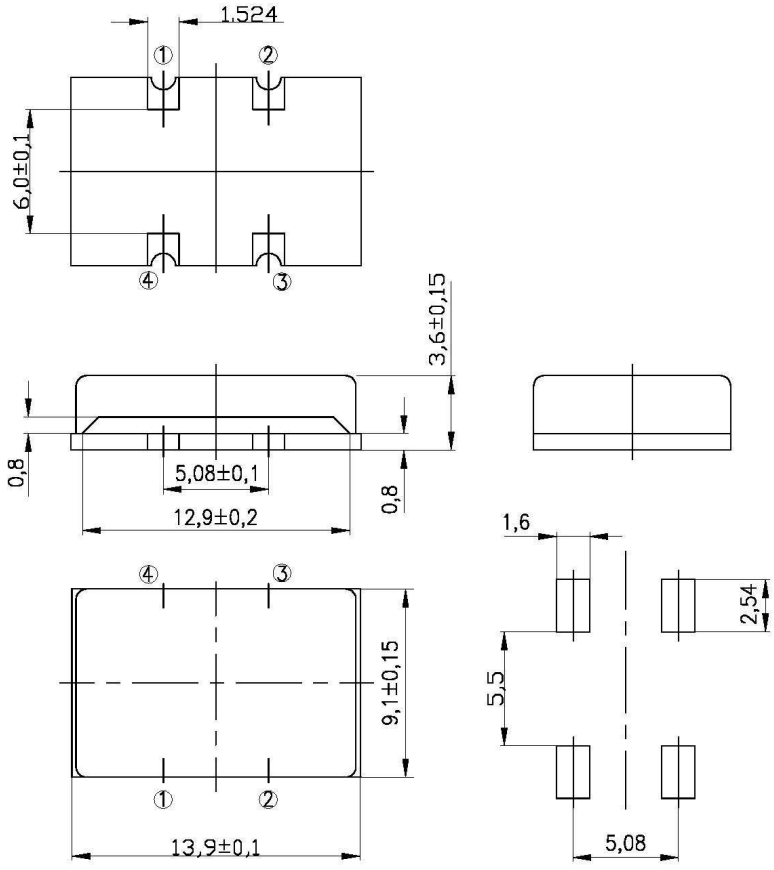
According to KVG Product Qualification Procedure AA-QM-202

3. Marking

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

4. Case

Case style: BF –157-3.6E



1.Pin configuration

1. Control voltage V_C
2. Ground case
3. RF-output
4. Supply voltage V_S

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5. Soldering profile