



100.000 MHz LPN / LGS SMD (VC)OCXO

DESCRIPTION:

O.60.802658-LF is a 100.000 MHz high performance 'Oven Controlled Crystal Oscillator' (VC)OCXO offering **low phase noise (LPN)**, **low G sensitivity (LGS)** and tight frequency stability down to ± 50 ppb (-20 °C to $+70$ °C).

The part comes in a small sized SMD package taped on reel what makes it also suitable for automatic pick & place machine assembly.



FEATURES:

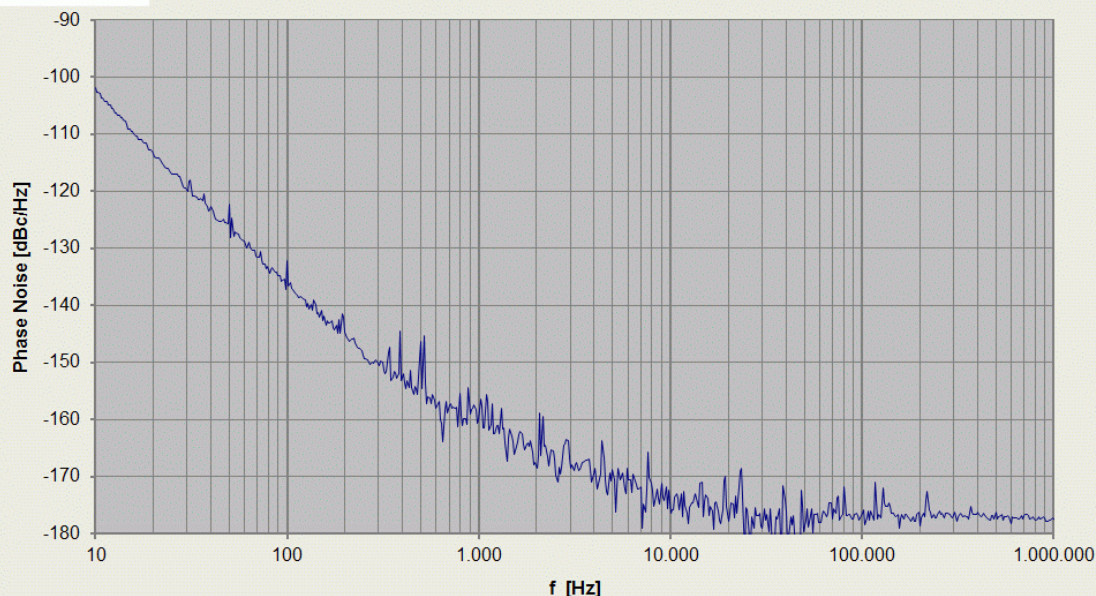
- Low Phase Noise & Low G-Sensitivity
- Small SMD package
- Tight Frequency Stability
- Low Power Consumption
- Fast Warm-up Time
- El. Frequency Tuning Input
- Reference Voltage Output
- RoHS-Compliant (lead-free)

APPLICATIONS:

- Instrument Reference
- Microwave Communication
- Clock Reference for Microwave Signal Source
- Test & Measurement
- Telecom Systems
- Radar Systems



Phase Noise O.60.802658AB-LF - 100.000 MHz; Power: +15 dBm; SSA Agilent 5052B, Corr. 100



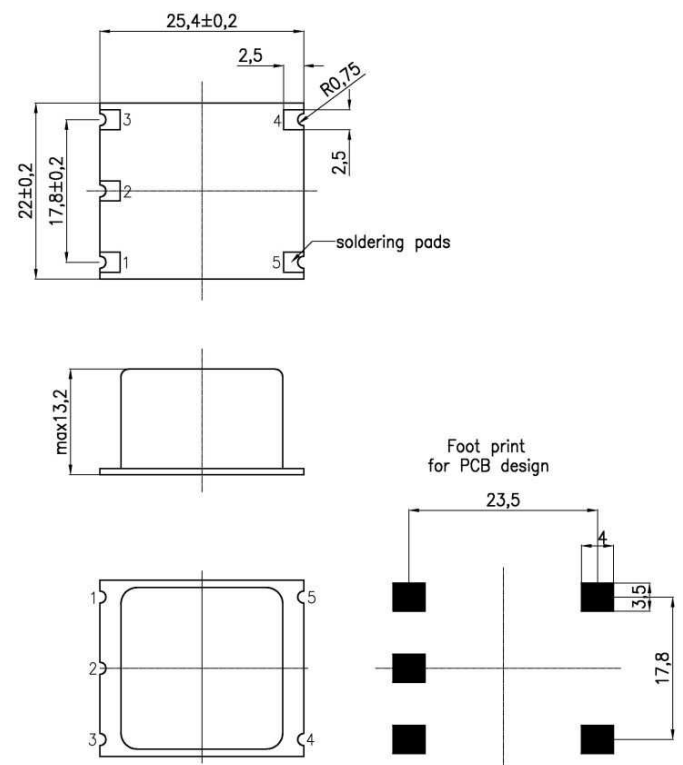
KVG Quartz Crystal Technology GmbH

Waibstadter Strasse 2 – 4, 74924 Neckarbischofsheim, Germany

Tel.: +49 (0) 7263/648-0; Fax: +49 (0) 7263/6196

email: info@kvg-gmbh.de

web: www.kvg-gmbh.de

Temperature ranges Operating: Storage:	-20 °C ... +70 °C -45 °C ... +90 °C
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	
<p>Case style: BF144-13.2-SMD</p>  <p>H = 13.2 mm max.</p>	<p>Pin configuration</p> <ol style="list-style-type: none"> 1. Control voltage V_C in 2. Ref. voltage V_{REF} out 3. Supply voltage V_S 4. RF output 5. Ground, case <p>Termination finish:</p> <p>Ni-Au (Gold 50-120 nm over Nickel 4-8 μm)</p> <p>Moisture Sensitivity Level: 2</p> <p>Solderability:</p> <p>DIN IEC 68-2-20 (TA)</p> <p>RoHS-6 compliant</p> <p>Weight: < 10 g</p>

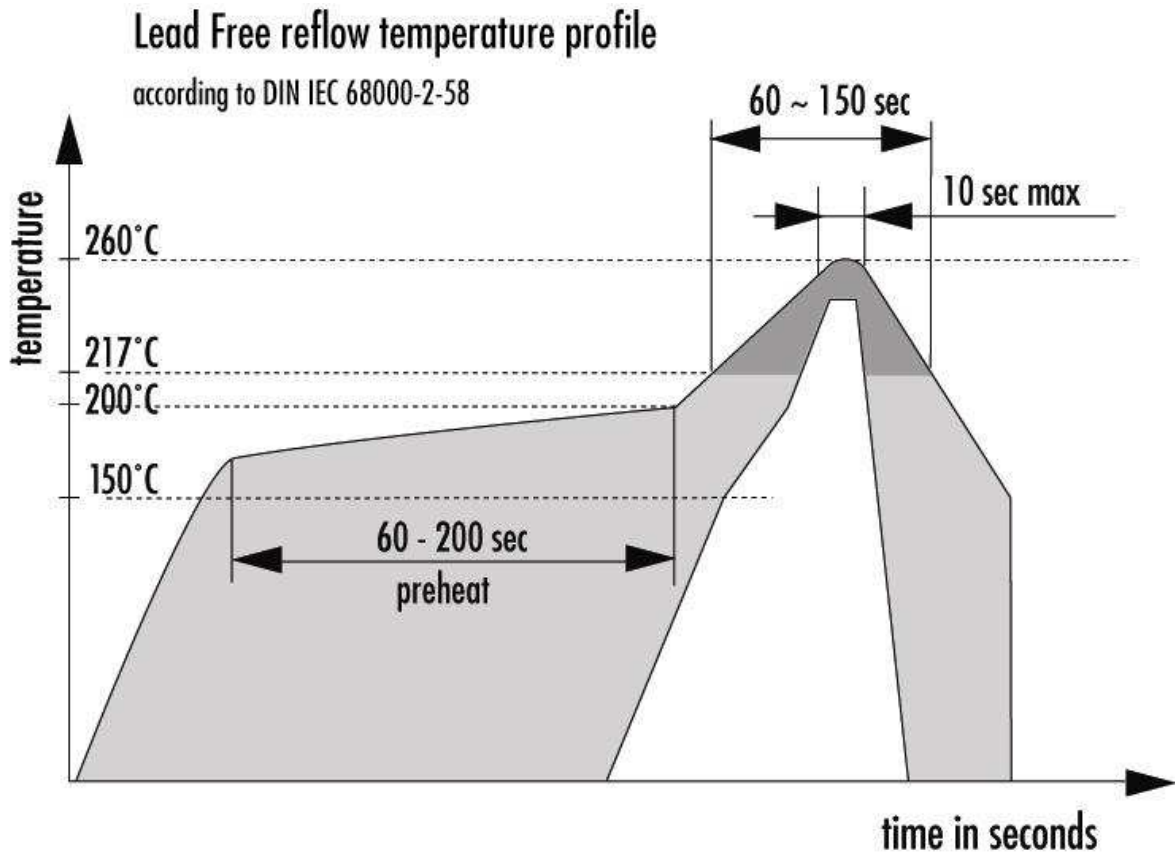
4				KVG Quartz Crystal Technology GmbH
3				P.O. Box 61
2	Phase noise at 10 Hz offset	16.02.12	Rudolph	D-74924 Neckarbischofsheim
1		03.06.11	Rudolph	Tel. +49 (0) 7263 / 648-0
ED	Description	Date	Name	Fax. +49 (0) 7263 / 6196

5. Ordering Information

Type Code	Package Code	Part Number	Frequ. Stability	Phase Noise	RoHS compl.	Nominal Frequency
OCXO	SMD 25.4 x 22		1×10^{-7}	Option A, B, C		100.000 MHz
O	60	802658	M	A	-LF	- XX.YYY MHz

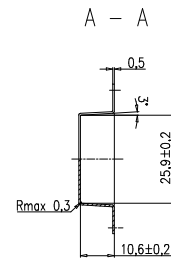
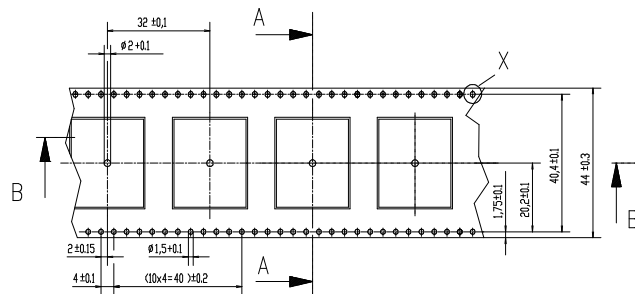
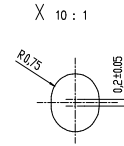
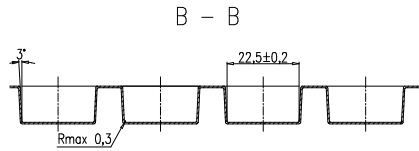
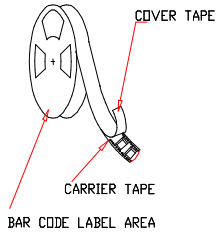
Example: O.60.802658-MA-LF-100.000 MHz

6. Recommended soldering profile



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6. Tape & reel



max. pcs per tape: 150

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