

**TCXO-S476-LF****1. Specification**

Nominal Frequency at T = 25°C:	200.0 MHz
Frequency stability Calibration tolerance after reflow: vs. temp.range -10°C to +70°C vs. Supply voltage $\pm 5\%$ vs. Load $\pm 10\%$	< ± 2.0 ppm < ± 1.0 ppm < ± 0.3 ppm t.b.d.a.s. < ± 0.2 ppm t.b.d.a.s.
Aging :	± 1.0 ppm / 1. year ± 4.0 ppm / 5 years
Frequency control range:	$\geq \pm 11.0$ ppm, $\leq \pm 20.0$ ppm
Control voltage U _c to meet specified frequ.control : Operable control voltage:	0.5 ... 4.5 V 0 ... 10 V
Control voltage input impedance:	> 100kOhm
Modulation bandwidth:	3dB cut off frequency > 1kHz
Supply voltage U _B :	10 V $\pm 5\%$
Max. current consumption:	50 mA
Output voltage level: load :	Sinewave $\geq +0$ dBm 50 Ohm
Harmonics	< -25 dBc
Subharmonics:	< -45 dBc
Phase noise @ 1 Hz: @ 10 Hz: @ 100 Hz: @ 1 kHz: @ 20 kHz:	< -45 dBc/Hz < -80 dBc/Hz < -104 dBc/Hz < -124 dBc/Hz < -149 dBc/Hz
Temperature ranges Operating: Storage:	-10°C to + 70°C -45°C to + 90°C

7	Several; frequency control	11.11.05	M. Zupan	KVG Quartz Crystal Technology GmbH P.O.Box 61 D-74924 Neckarbischofsheim Tel. +49 (0) 7263 / 648-0 Fax. +49 (0) 7263 / 6196
6	Phase Noise 1Hz and 10Hz amended	06.10.05	J. Müller	
5	TCXO-S476 / Pulling range ± 11 ppm	07.04.04	H.-J. Herzog	
4	200 MHz	25.03.04	H.-J. Herzog	
ED	Description	Date	Name	

2. Environmental conditions

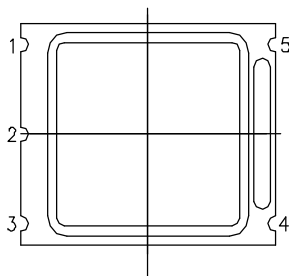
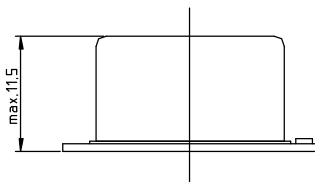
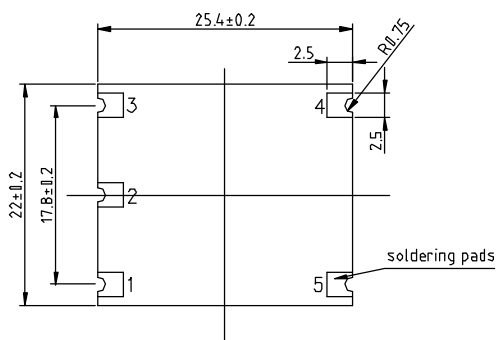
According to KVG Product Qualification Procedure AA-QM-200

3. Marking

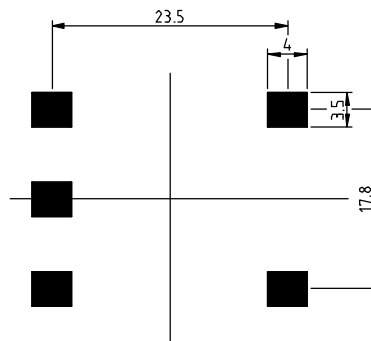
Manufacturer's name, date code(week/year)
Specification
Center frequency

4. Case

BF-144-11,5-SMD



Foot print
for PCB Design

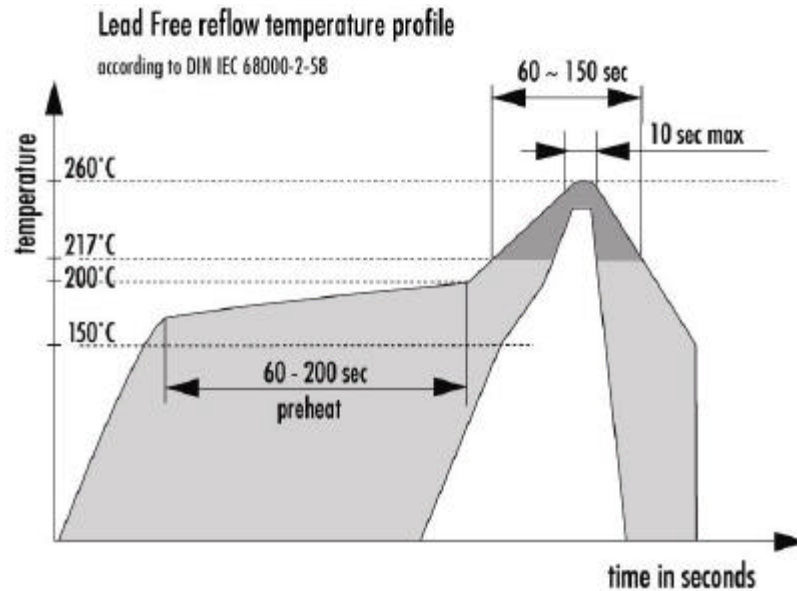


1.Pin configuration

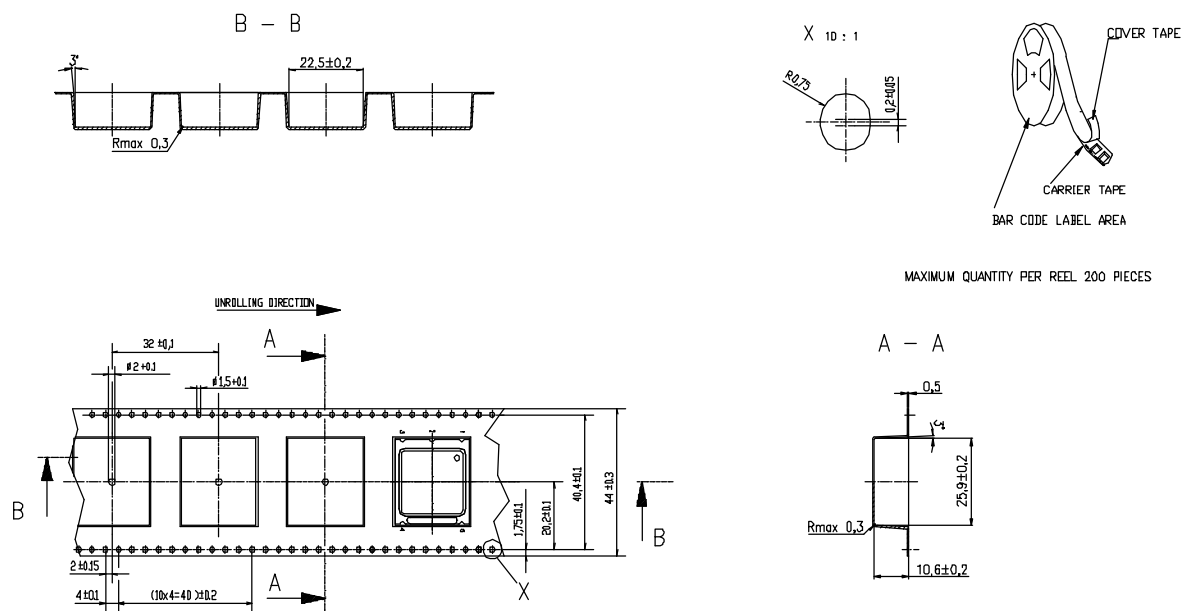
1. Supply voltage U_B
2. RF-output
3. Ground, case
4. Control voltage U_C
5. N.C.

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5. Recommended soldering profile



6. Tape & reel



max. pcs per tape: 150

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