



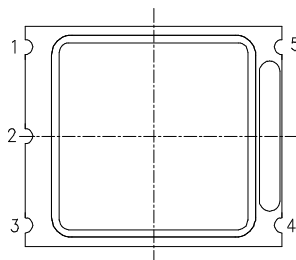
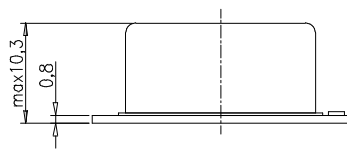
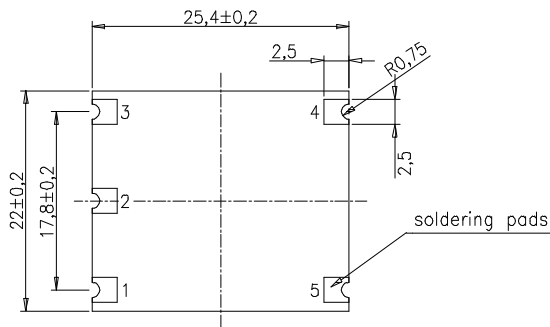
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1. Specification	
Nominal frequency:	10 MHz
Temp. stability in the temp. range 0°C to +70°C:	$< \pm 1 \times 10^{-8}$
Aging stability option (after 30 days of operation):	$< \pm 1 \times 10^{-9}$ / day; $< \pm 1 \times 10^{-7}$ / year:
Frequency stability vs. supply changes $U_B \pm 5\%$:	$< \pm 1 \times 10^{-8}$
Frequency control range:	$\pm 1 \dots 3$ ppm typical
Control voltage V_c :	0 V to 4 V
Linearity:	$< 10\%$
Supply voltage U_B option:	$5.0 \text{ V} \pm 5\%$
Output:	Sinewave $>0.5V_{RMS} / 50 \text{ Ohm}$
Power consumption @ 25°C steady state: during warm-up @ -20°C:	$\leq 1.0 \text{ W}$ $\leq 2.5 \text{ W}$
Typical phase noise: 10 Hz: 50 kHz:	-120 dBc / Hz -145 dBc / Hz
Warm-up stability @ 25°C after 5 min relative to final frequency:	$< \pm 1 \times 10^{-8}$
Storage temperature range:	-40°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	

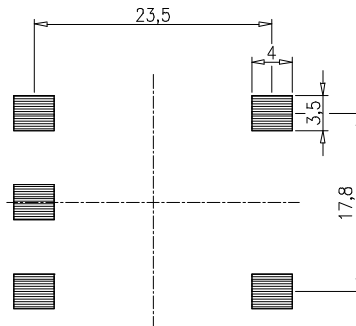
4				KVG Quartz Crystal Technology GmbH P.O.Box 61 D-74924 Neckarbischofsheim Tel. +49 (0) 7263 / 648-0 Fax. +49 (0) 7263 / 6196
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2				
1		24.07.02	H.-J. Herzog	
ED	Description	Date	Name	

4. Case

BF-144-10,3-SMD



Foot print
for PCB Design



1. Pin configuration

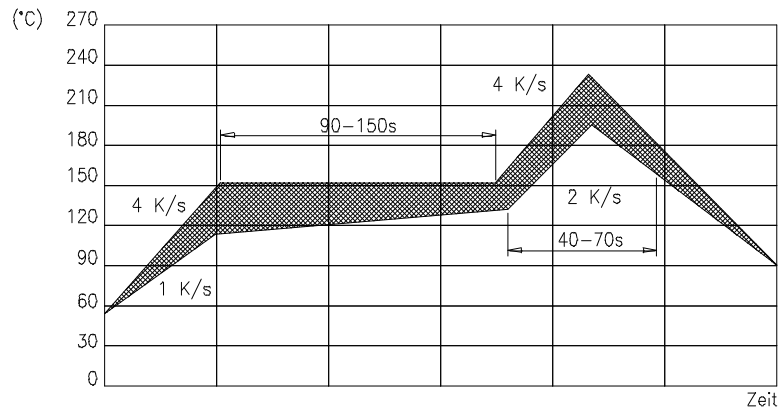
1. Control voltage U_C
2. Reference voltage output U_{REF}
3. Supply voltage U_B
4. RF-output
5. Ground, case

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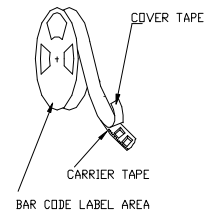
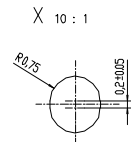
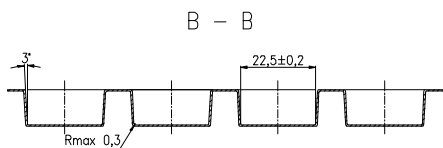


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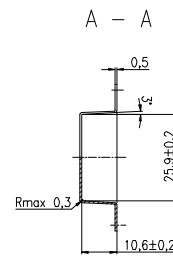
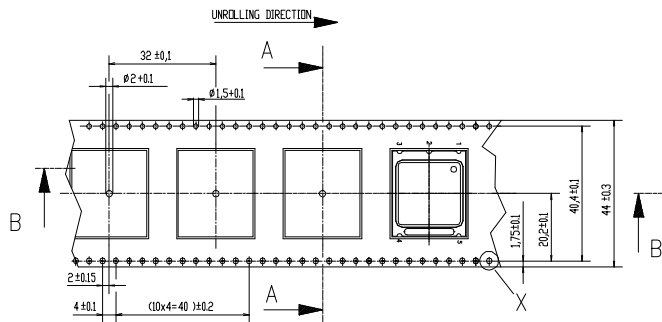
5. Recommended soldering profile



6. Tape and reel



MAXIMUM QUANTITY PER REEL 200 PIECES



max. pcs per tape: 150

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