



TO-800 Series

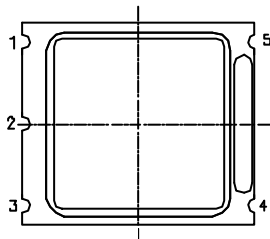
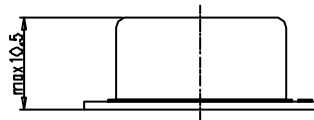
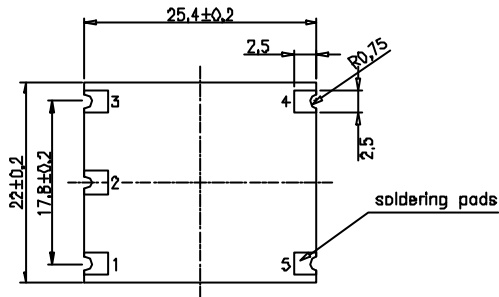


1. Specification	
Nominal Frequency range :	50 MHz to 1.30 GHz
Overall frequency stability including nominal frequ. @ $V_c = 1.5V$, $T = 25^\circ C \pm 3^\circ C$, temperature stability in the range $0^\circ C$ to $+85^\circ C$, supply voltage changes $U_B \pm 5\%$, load changes $\pm 5\%$, aging @ $45^\circ C$ over 15 years:	$< \pm 20$ ppm
Frequency control range:	$> \pm 40$ ppm
Control voltage V_c :	0 V to 3,0 V
Control input impedance:	> 20 kOhm
Transfer function / Linearity:	Positive / $< 10\%$
Supply voltage U_B :	$3,3 V \pm 5\%$
Current consumption:	≤ 80 mA
Output voltage : load :	Sinewave 0.8Vpp ... 1.5Vpp 50 Ohm
Frequency modulation:	3dB cut-off frequency > 20 kHz
Jitter @ $10 \text{ Hz} < f < 1\text{MHz}$	< 80 ps peak to peak
Harmonics : Subharmonics : Spurious :	> 15 dBc > 40 dBc > 80 dBc
Temperature ranges Operating: Storage:	$0^\circ C \dots + 85^\circ C$ $-40^\circ C \dots + 85^\circ C$
2. Environmental conditions	
According to KVG Product Qualification Procedure AA-QM-200	
3. Marking	
Manufacturer's name, date code(week/year) Specification Center frequency	

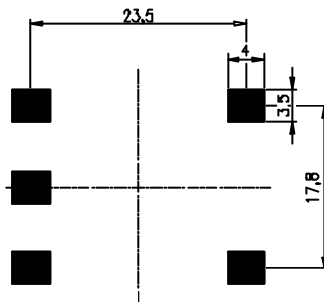
4				KVG Quartz Crystal Technology GmbH P.O.Box 61 D-74924 Neckarbischofsheim Tel. +49 (0) 7263 / 648-0 Fax. +49 (0) 7263 / 6196
3				
2	Frequ.range	23.06.06	M. Zupan	
1		19.06.02	H.-J. Herzog	
ED	Description	Date	Name	

4. Case

Case style: BF144-10.5A-SMD



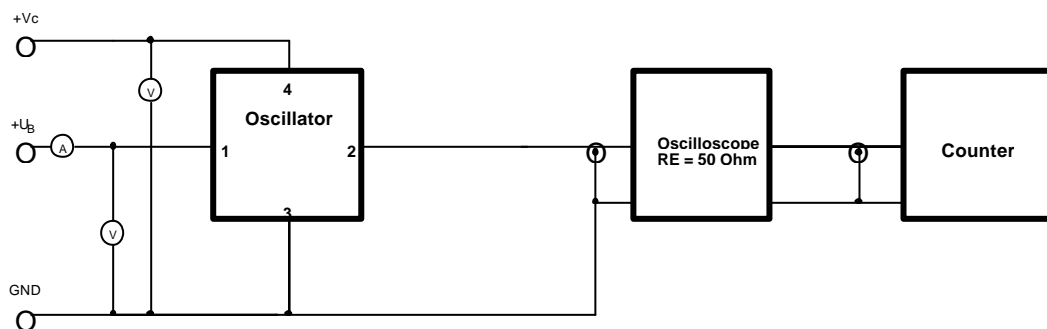
Foot print
for PCB Design



1. Pin configuration

1. Supply voltage
2. HF-output
3. Ground, case
4. Control voltage V_c
5. Ground, case

5. Test circuit



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