



XO-PECL



1. Specification

Nominal Frequency range:	68.736 ... 166.6286 MHz
Nominal frequency tolerance, T = 20 ± 5°C:	< ± 10 ppm
Frequency stability in the temperature range - 20°C to + 70°C: vs. supply voltage changes UB ± 5 %: vs. load changes ± 10 %:	< ± 10 ppm < ± 10 ppm < ± 0.2 ppm
Aging:	± 3 ppm / first year ± 1 ppm / following year
Supply voltage UB:	5 V ± 5 %
Current consumption:	≤ 70 mA
Output voltage : type: load : duty cycle : rise time, fall time	PECL squarewave 10k and 100k compat. 50 Ohm 40 / 60 % ≤ 2 ns
Temperature ranges Operating: Operable: Storage:	-20°C ... + 70°C -30°C ... + 80°C -55°C ... + 105°C

2. Environmental conditions

According to KVG Product Qualification Procedure AA-QM-200

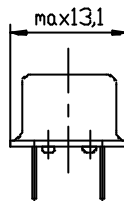
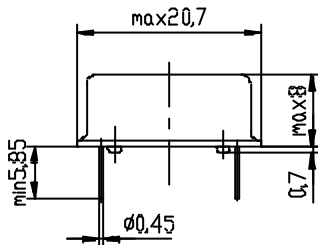
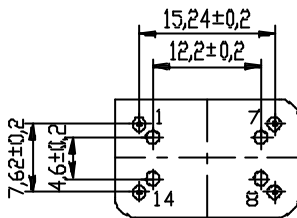
3. Marking

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

5	Freq range 68.736 ... 166.6286 MHz	08.05.00	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
4	Temp. drift ± 10 ppm	27.01.97	M.Zupan	
3	Freq range 68.736 ... 155.52 MHz	03.07.96	H.-J. Herzog	
2	Temp. drift ± 7 ppm	23.05.95	M.Dienert	
ED	Description	Date	Name	

4. Case

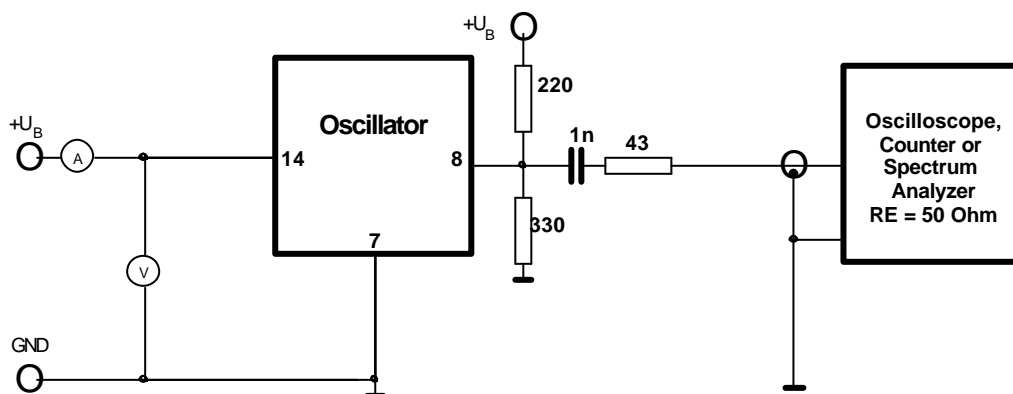
Case style: BF-96



1.Pin configuration

- 1. N.C.
- 7. Ground, case
- 8. RF-output
- 14. Supply voltage U_B

5. Test circuit



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