

1. Specification

Nominal Frequency:	68.736 ... 155.52 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 < ± 0.3 ppm
Aging:	± 3 ppm / first year ± 1 ppm / following year
Supply voltage UB:	5 V ± 5 %
Current consumption:	≤ 70 mA
Output voltage : 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

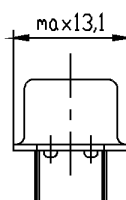
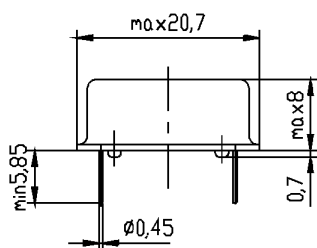
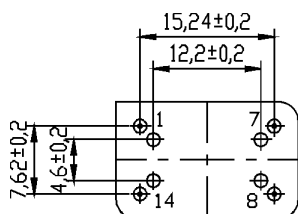
Shock:	DIN IEC 68-2-27, Test Ea, 100 g, 6ms Half-sine, 3 bumps in 3 main directions
Vibration:	DIN IEC 68-2-6, Test Fc, 10-500Hz, 10g, 2 h in 3 main directions
Humidity:	DIN IEC 68-2-3, 40°C/93%RH, 21 days
Solderability:	DIN IEC 68-2-20 only for wire leads, Methode 3: Solder globule at + 235°C

3. Marking

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

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

