

1. Specification

Nominal Frequency:	10 kHz to 100 MHz
Nominal frequency tolerance, T = 25 ± 3°C:	< ± 10 ppm
Frequency stability in the temperature range - 40°C to + 85°C: vs. supply voltage changes $U_B \pm 5\%$: vs. load changes 1 to 10 HCMOS:	< ± 20 ppm < ± 3 ppm < ± 2 ppm
Aging:	± 5 ppm / first year ± 2 ppm following years
Supply voltage U_B :	5 V ± 5 %
Current consumption with load 1 kOhm // 15 pF f < 40 MHz: f > 40 MHz:	≤ 25 mA ≤ 30 mA
Output voltage : load : load with Option A for f < 26 MHz: duty cycle : rise time, fall time for f < 40 MHz: rise time, fall time for f > 40 MHz:	HCMOS Low < 1.0 V; High > 4.0 V 1 kOhm // 15 pF 1 kOhm // 50 pF 40 / 60 % 8 ns 5 ns
Temperature ranges Operating: Operable: Storage:	-40°C ... + 85°C -40°C ... + 85°C -55°C ... + 105°C

2. Environmental conditions

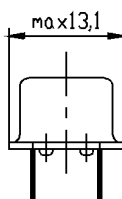
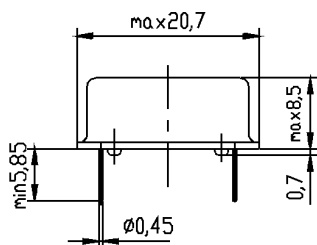
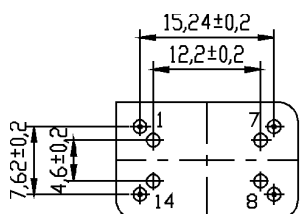
Shock:	DIN IEC 68-2-27, Test Ea, 100 g, 6ms Half-sine, 3 bumps in 3 main directions
Vibration:	DIN IEC 68-2-6, Test Fc, 10-500Hz, 10g, 2 h in 3 main directions
Humidity:	DIN IEC 68-2-3, 40°C/93%RH, 21 days
Solderability:	DIN IEC 68-2-20 only for wire leads, Methode 3: Solder globule at + 235°C

3. Marking

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

4. Case

Case style: BF-100



1. Pin configuration

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

5. Test circuit

