

1. Specification

| | |
|---|--|
| Frequency range : | 1.0 ... 26.0 MHz |
| Nominal frequency tolerance, T = 25 ± 2°C: | < ± 2 ppm |
| Frequency stability in the temp. range -20°C to +70°C; U _c = 2.5 V : vs. supply voltage changes U _B ± 10 %: vs. load changes ± 10 %: | < ± 1.0 ppm < ± 0.1 ppm < ± 1.0 ppm |
| Aging: | ± 2 ppm first / ± 1 ppm following years |
| Frequency control range: | ± 25 ppm |
| Control voltage U _c ; Transfer function: | 0 V to 3.0 V; positive |
| Supply voltage U _B : | 2.7 ... 5.5 V |
| Current consumption (load 1 kOhm // 15 pF): | ≤ 6 mA |
| Output voltage : load : duty cycle : rise time, fall time (load 15 pF) | LV-HCMOS; High > 2.0 V 1 kOhm // 15 pF 40 / 60 % < 5 ns |
| Phase noise: 100 Hz 1000 Hz 10 kHz | -90 dBc -110 dBc -130 dBc |
| Temperature ranges Operating: Operable: Storage: | -20°C ... + 70°C -25°C ... + 75°C -40°C ... + 85°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 |



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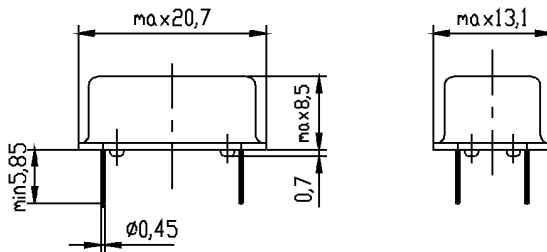
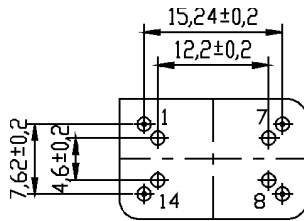
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3. Marking

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

4. Case

Case style: BF-100



1.Pin configuration

- 1. Control voltage U_C
- 7. Ground, case
- 8. RF-output
- 14. Supply voltage

5. Test circuit

