VCXO-4085S

1. Specification

Nominal Frequency Range:	2 MHz to 32 MHz
Nominal freq. tolerance @ U_C = 2.5V, T = 25 ± 3°C:	< ± 10 ppm
Frequency deviation after reflow and cooling to 25°C:	< ± 3 ppm
Frequency stability in the temperature range - 40°C to + 85°C: vs. supply voltage changes U_B ± 5%: vs. load changes ± 5%:	 < ± 25 ppm < ± 5 ppm < ± 5 ppm
Aging @ 25°C :	< ± 5 ppm / first year < ± 2 ppm / year in the following years
Frequency control range:	≥ ± 100 ppm
Control voltage Uc :	0.5 V to 4.5 V
Transfer function / Linearity:	positive / 10%
Supply voltage U_B:	5 V ± 5%
Current consumption:	≤ 25 mA
Output voltage : load : duty cycle : rise time, fall time:	HCMOS 1 kOhm // 15 pF 40% / 60% ≤ 8 ns (load 1kOhm//15pF)
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

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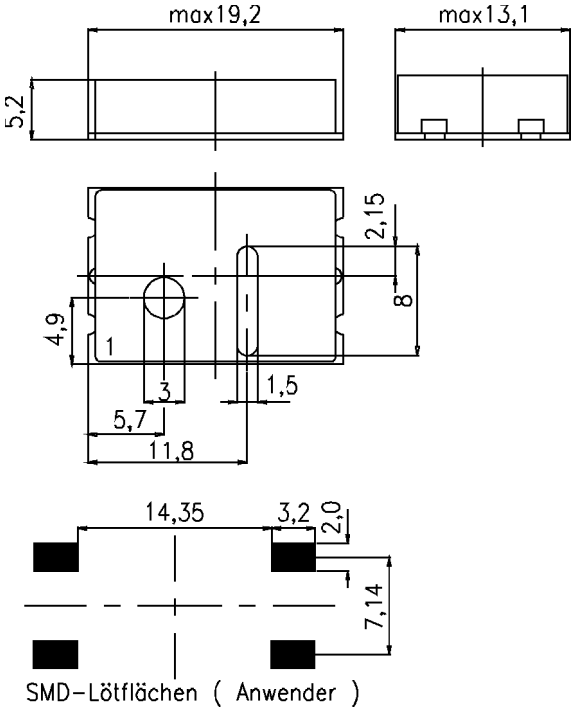
3. Marking

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

4. Case

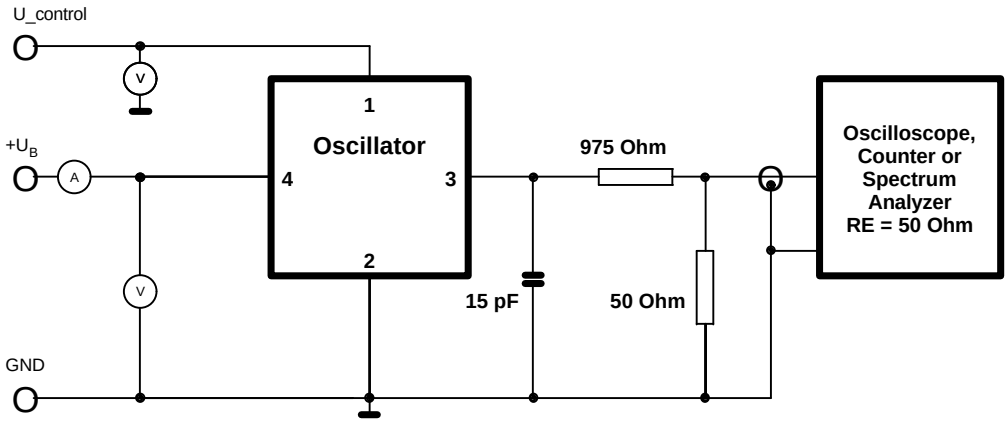
Case style: BF 141



1.Pin configuration

1. Control voltage U_C = 0.5V...4.5V
2. Ground, Case
3. RF-Output
4. Supply voltage U_B

5. Test circuit



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