



ROHS-Compliant Product

NWT- S511- LF**1. Specification**

Nominal Frequency:	1,395.000 MHz (1.395 GHz)
Overall frequency stability: (including calibration tolerance @ $T = +25\text{ }^{\circ}\text{C} \pm 3^{\circ}\text{C}$, temperature stability in the range $-30\text{ }^{\circ}\text{C}$ to $+85\text{ }^{\circ}\text{C}$, supply voltage changes $V_S \pm 5\%$, load changes $\pm 5\%$, aging @ $+45\text{ }^{\circ}\text{C}$ over 10 years)	$\leq \pm 20\text{ ppm}$
Supply voltage V_S :	$+5.0\text{ V} \pm 5\%$
Power consumption:	$\leq 300\text{ mW}$
Output voltage: Output power / load:	Sinewave $\geq +10\text{ dBm} / 50\text{ Ohm}$
Phase noise (at dF from carrier): 100 Hz : 1 kHz : 10 kHz : 100 kHz :	$\leq -78\text{ dBc/Hz}$ $\leq -98\text{ dBc/Hz}$ $\leq -117\text{ dBc/Hz}$ $\leq -135\text{ dBc/Hz}$
Harmonics : Subharmonics : Spurious :	$\leq -30\text{ dBc}$ $\leq -40\text{ dBc}$ $\leq -80\text{ dBc}$
Temperature ranges Operating : Operational : Storage :	$-30\text{ }^{\circ}\text{C}$ to $+85\text{ }^{\circ}\text{C}$ $-35\text{ }^{\circ}\text{C}$ to $+85\text{ }^{\circ}\text{C}$ $-40\text{ }^{\circ}\text{C}$ to $+90\text{ }^{\circ}\text{C}$

2. Environmental conditions

According to KVG Product Qualification Procedure AA-QM-200

3. MarkingManufacturer's name, date code (week/year)
Specification
Center frequency



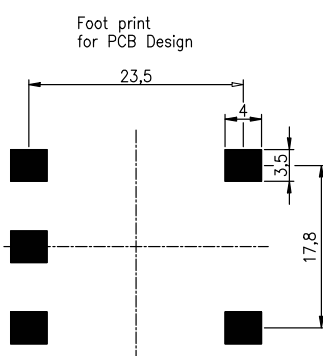
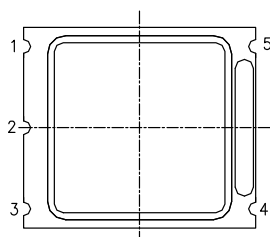
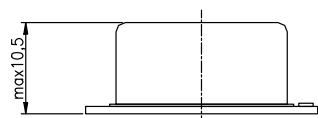
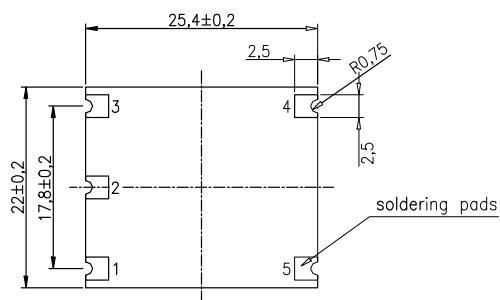
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4. Case

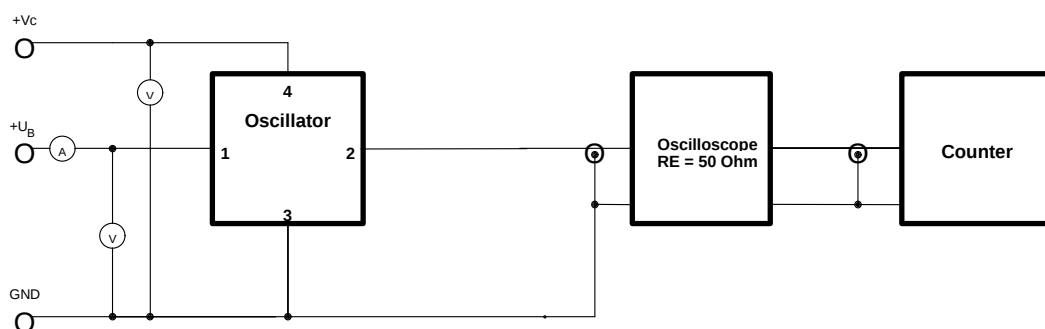
Case style: BF144-10.5A-SMD



1.Pin configuration

1. Supply voltage V_S
2. HF output
3. Ground, case
4. N.C.
5. Ground, case

5. Test circuit



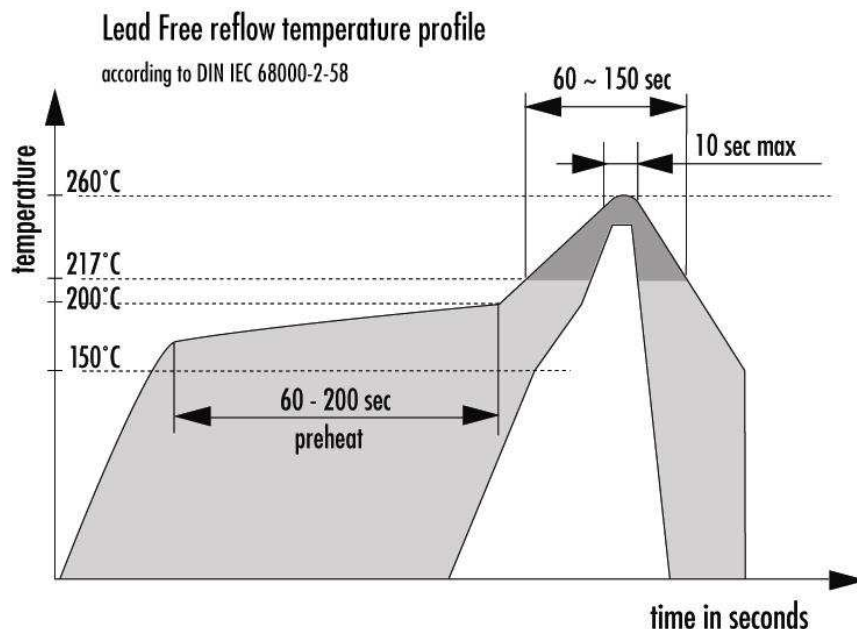


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6. Soldering profile



7. Tape and Reel

