



ROHS-Compliant Product

XO-25000 Series

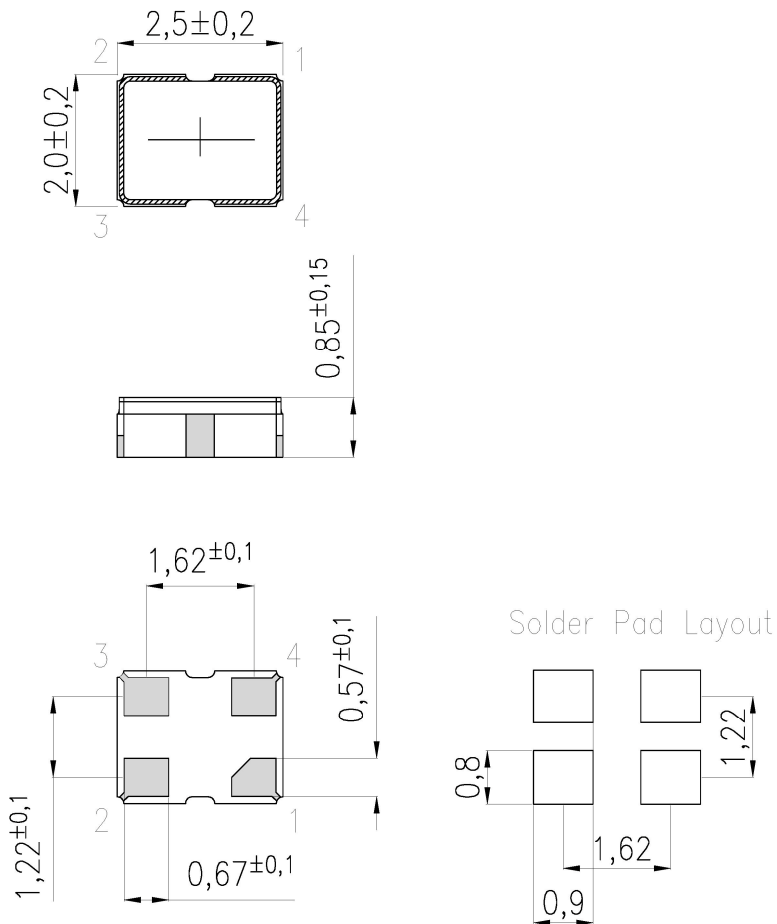


1. Specification	
Frequency range:	1.25 MHz ... 125 MHz
Standard frequencies:	24; 26; 30; 40 MHz
Supply voltage V_s : 3.3 V \pm 5 % 2.5 V \pm 5 % 1.8 V \pm 5 %	A H J
Current consumption	\leq 15 mA
Temperature range options -10 °C to +60 °C: -20 °C to +70 °C: -40 °C to +85 °C:	1060 2070 4085
Frequency stability options ⁽¹⁾ $\leq \pm$ 20 ppm: $\leq \pm$ 25 ppm $\leq \pm$ 50 ppm:	A B F
Output voltage: level: load: duty cycle:	(LV)HCMOS VOL < 10% V_S , VOH > 90% V_S 1 kOhm // 15 pF 45% ... 55%
RMS Phase Jitter (12 kHz - 20 MHz):	\leq 1 ps rms
Output Enable / Disable Enable: Disable:	High (\geq 70 % V_S) or N.C. Low (\leq 30 % V_S)
Storage temperature range:	-55 °C ... +125 °C
Note ⁽¹⁾ : overall frequency stability includes: Initial tolerance, 1st year aging, frequency stability vs. temperature, vs. supply voltage changes \pm 5%, vs. load changes \pm 5%	
2. Environmental conditions	
According to KVG Product Qualification Procedure AA-QM-200	
3. Marking	
Nominal frequency	

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3				
2	Case BF207-0.9B drawing changed	07.08.2017	Rudolph	
1		15.12.2015	Dannenmaier	
ED	Description	Date	Name	

4. Case

Case style: BF207-0.9B

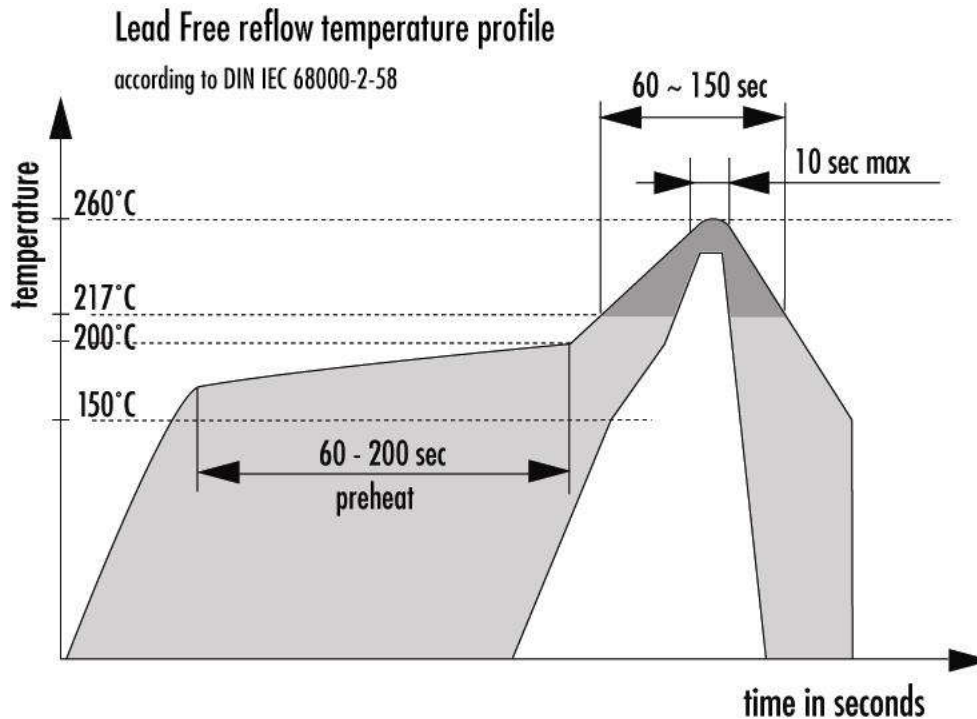


Pin configuration

1. E/D control input
2. Ground, Case
3. RF output
4. Supply voltage V_s

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5. Reflow soldering profile



6. Ordering Information

Type & Package code	Supply voltage	Temperature range LOW/HIGH	Frequency stability	RoHS compl.	Nominal frequency
XO-25: BF207-0.9B	A: 3.3 V H: 2.5 V J: 1.8 V	1060: -10 / +60 °C 2070: -20 / +70 °C 4085: -40 / +85 °C	A: ± 20 ppm B: ± 25 ppm F: ± 50 ppm	-LF	- XX.YYY MHz

Example: **XO-25A2070B-LF-150.000MHz**

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