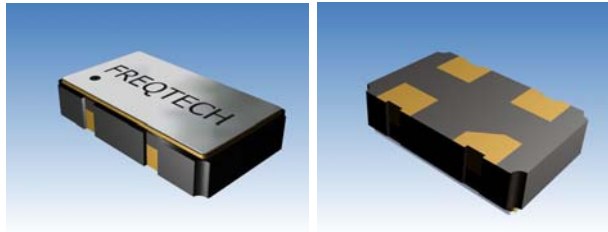


## FT10B

5,0V SMD Oscillator – package: ceramic base with metal cover  
rohs compliant

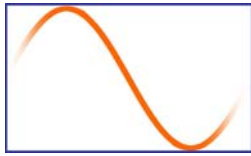


### Electrical specifications

Parameter	Condition	Availability	Standard
Frequency range		1,60 ~ 125,0 MHz	
Frequency stability	@ -20°C ~ +70°C @ -40°C ~ +85°C	+/- 25 ~ +/- 50 ppm +/- 50 ~ +/- 150 ppm	+/- 50 ppm +/- 100 ppm
Operating temperature range		-40 ~ +85 °C	-20 ~ +70 °C
Storage temperature range			-55 ~ +125 °C
Power supply voltage			5,0 V +/-10%
Aging (1 <sup>st</sup> year)	@ 25°C +/-3°C		+/- 5,0 ppm
Supply current	1,60~9,999 MHz 10,0~34,99 MHz 35,0~49,99 MHz 50,0~125,0 MHz		15 mA max. 20 mA max. 35 mA max. 40 mA max.
Output symmetry	@ ½ Vdd		40/60% option: 45/55%
Rise time	10%Vdd ~ 90% Vdd		5 ns max.
Fall time	90% Vdd ~ 10% Vdd		5 ns max.
Output load	HCMOS load	15 ~ 50 pF	15pF
Start up time			10 ms max.
Pin1, tristate function		Pin 1=H or open / output active at Pin 3  Pin 1=L...high impedance at Pin 3	

### Pin connection

Pin	Connection	Pin	Connection
1	tristate / NC	3	Output
2	GND	4	5,0 V dc

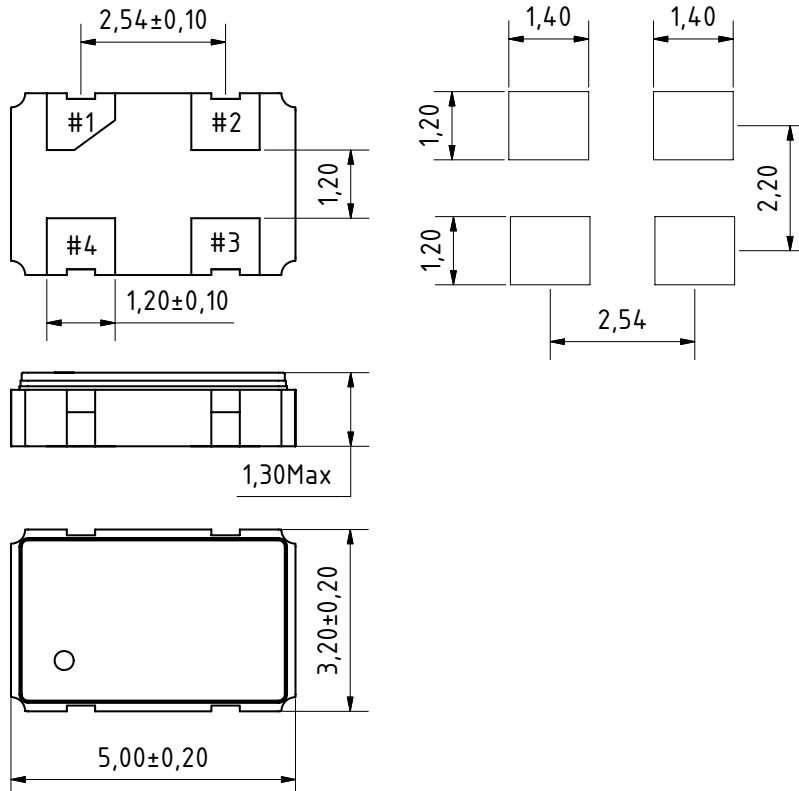


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**FT10B**

5,0 V SMD Oscillator – package: ceramic base with metal cover  
 rohs compliant

**Mechanical dimensions (mm)**



**Ordering key**

Type	- frequency	/ frequency stability	- output load	/ operating teperature	/ option
FT10B	value in MHz	value in ppm	value in pF	27 = -20°C~+70°C	s45 = symmetry 45/55%
		s for series		48 = -40°C~+85°C	