

Static sensitive device

NEW PART! - Quick Delivery Available

Absolute Maximum Ratings

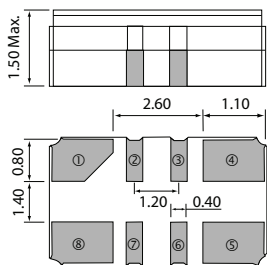
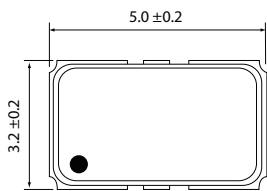
Parameter	Symbol	Value			Unit
		Min.	Typ.	Max.	
Supply Voltage	V _{CC}	-0.6		+6.0	V
Storage Temp. Range	T _{STG}	-40		+90	°C

Operating Range

Parameter	Symbol	Value			Unit
		Min.	Typ.	Max.	
Supply Voltage	V _{CC}	+3.135	+3.3	+3.465	V
Op. Temp. Range	T _{USE}	-20		+70	°C
Load Impedence	Load_R	9	10	11	kΩ
Load Capacitance	Load_C	13.5	15	16.5	pF

Parameter	Test Condition	Value			Unit	Note
		Min.	Typ.	Max.		
Input Current				5.0	mA	
Output Level	Load = 10kΩ//15pF	1.0			V p-p	Clipped Sinewave O/P (DC Coupled)
Frequency Stability						
Freq. Tolerance	at 25°C ±2°C			±1.0	ppm	Ref. to nominal frequency
Freq. Stability over temp	T _{USE} +10°C to +70°C			±0.1	ppm	V _C = +1.65V
	T _{USE} -20°C to +70°C			±0.25	ppm	
Freq. vs Voltage Coefficient	V _{CC} =+3.3 ±1.65V			±0.05	ppm	
Freq. vs Load Coefficient	Load=(10kΩ//15pF) ±10%		±0.01	±0.05	ppm	
Freq. vs Ageing	1 year at 25°C			±1.00	ppm	per Year
Freq. vs Reflow	2 Times			±1.00	ppm	According to reflow profile
Voltage Control Range	VC = +1.65V ±1.15V	±5.0		±10.0	ppm	Positive Slope
Hysteresis	T = 0°C to +70°C			±0.2	ppm	
Frequency Slope	Measured in 2°C steps			±0.1	ppm/°C	over -20°C to +70°C
Input Impedence				170	kΩ	
Duty Cycle	GND Level DC Cut	40/60		60/40	%	
SSB Phase Noise	Offset 1kHz		-123		dBc/Hz	
	Offset 10kHz		-130			

Dimensions (mm)



Pad Number	Connection
1	VC
2	NC
3	NC
4	GND
5	Clipped Sine O/P
6	NC
7	NC
8	VCC

