



Static sensitive device

Current part - Recommended for new designs

Frequency Stability Options

Operating Temperature Range		Frequency Stability (PPM)		
		±25	±50	±100
Standard	-0°C to +70°C	AS	BS	CS
Industrial	-40°C to +85°C	AI	BI	CI

Marking & Specification Code Format

Type	Voltage Code	OTR/Stability	Frequency	WWYY
VSW***	3 or 5	See Above	ie 175.0000	1611

Electrical Characteristics Ta = +25°C, ^{Note}Inclusive of V_{DD} ±10%, Load Change ±10%, Ageing, Shock & Vibration

Parameter	Condition	Value	
Input Voltage		3.3VDC ±5%	5.0VDC ±5%
Frequency Range		10.00 - 30.00MHz	
Initial Frequency Accuracy	at 25°C	V _{CONTROL} = 1.65V ±0.2V	V _{CONTROL} = 2.5V ±0.2V
Output Level		1.0V p-p Typ.	
Load		10kΩ//10pF Load	
Input Current		1.1mA Max.	1.2mA Max.
VCXO Characteristics	Control Voltage	1.65V DC ±1.25V	2.5V DC ±2.0V
	Pulling Range	±50PPM Typ.	
Harmonics		< -25dBc (Freq. Dependant)	
Input Impedance		>0.5MΩ	
Modulation Bandwidth	at -3dB	25kHz Min.	
Sub-Harmonics		None	
Linearity		10% Max.	
Slope Polarity		Positive	
Start-Up Time	12kHz to 20MHz	2ms Typ.	
Ageing		±5PPM per Year Max.	
SSB Phase Noise	Offset	Frequency = 13.00MHz	
	10Hz	-95dBc/Hz	
	100Hz	-123dBc/Hz	
	1kHz	-135dBc/Hz	
	10kHz	-140dBc/Hz	
	100kHz	-145dBc/Hz	

Dimensions (mm)

