

VF1

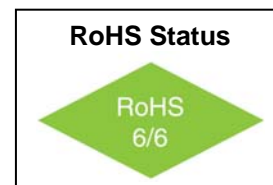
XO Miniature Ceramic

5x7mm SMD, HCMOS-TTL



Features

- HCMOS – TTL Compatible
- 5.0V Supply Voltage
- Tristate control standard



Electrical Specifications

Parameter	Symbol	Condition	Min	Typ	Max	Unit	Note
Frequency Range	F		1.8		125	MHz	
Frequency Stability	$\Delta F/F$	Overall conditions including: calibration, temp., aging 10 yrs, shock, vibration	-100		+100	ppm	Note 1
Input Voltage	Vcc		4.75	5.00	5.25	V	
Input Current	Icc	15pF Load			20 35	mA	to 25MHz to 125MHz
Load	10-TTL gates or 15pF typical						
Duty Cycle		@50% Vcc	45	50	55	%	
Rise / Fall Time	Tr/Tf	10% to 90%		5	10	ns	
Logic "1" Level	Voh	Loaded, overall	0.9Vcc			V	
Logic "0" Level	Vol	Loaded, overall			0.1Vcc	V	
Enable Input Disable Input			2.2V (min) @ 0.4mA 0.8V (max) @ 0.4mA				
Start-up Time	Ts			3	10	ms	
Enable/Disable Time					100	ns	

Note 1: ± 50 ppm, ± 25 ppm and ± 20 ppm stability available up to 50MHz for -10°C to 70°C operating temperature range.



VF1

XO Miniature Ceramic

5x7mm SMD, HCMOS-TTL



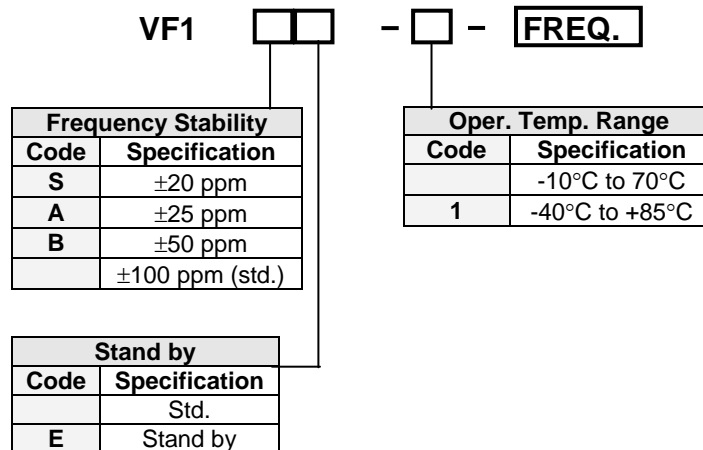
Absolute Maximum Ratings

Parameter	Symbol	Condition	Min	Typ	Max	Unit	Note
Input Break Down Voltage	V _{cc}		-0.5		7.0	V	
Storage Temp.	T _s		-55		+125	°C	

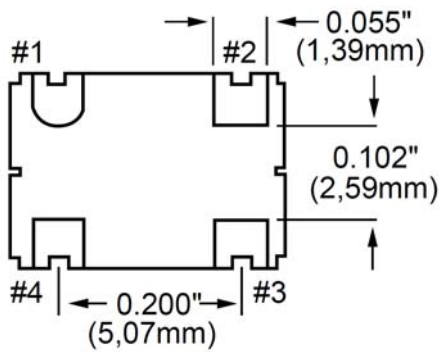
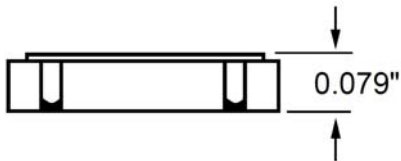
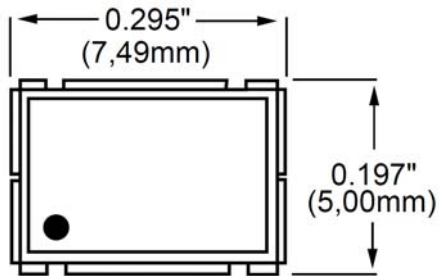
Environmental and Mechanical Conditions

Parameter	Condition
Operating Temperature Range	-10°C to +70°C (-40°C to +85°C available)
Mechanical Shock	Per MIL-STD-202, Method 213, Cond. E
Thermal Shock	Per MIL-STD-883, Method 1011, Cond. A
Vibration	Per MIL-STD-883, Method 2007, Cond. A
Soldering Conditions	260°C for 10s Max., or 230°C for 90s, Max.
Hermetic Seal	Leak rate less than 5 x 10 ⁻⁸ atm.cc/s of helium

How to Order



VF1
XO Miniature Ceramic
5x7mm SMD, HCMOS-TTL



Pin #	Connection
Pin 1	Tristate Control
Pin 2	Ground
Pin 3	Output
Pin 4	Vcc

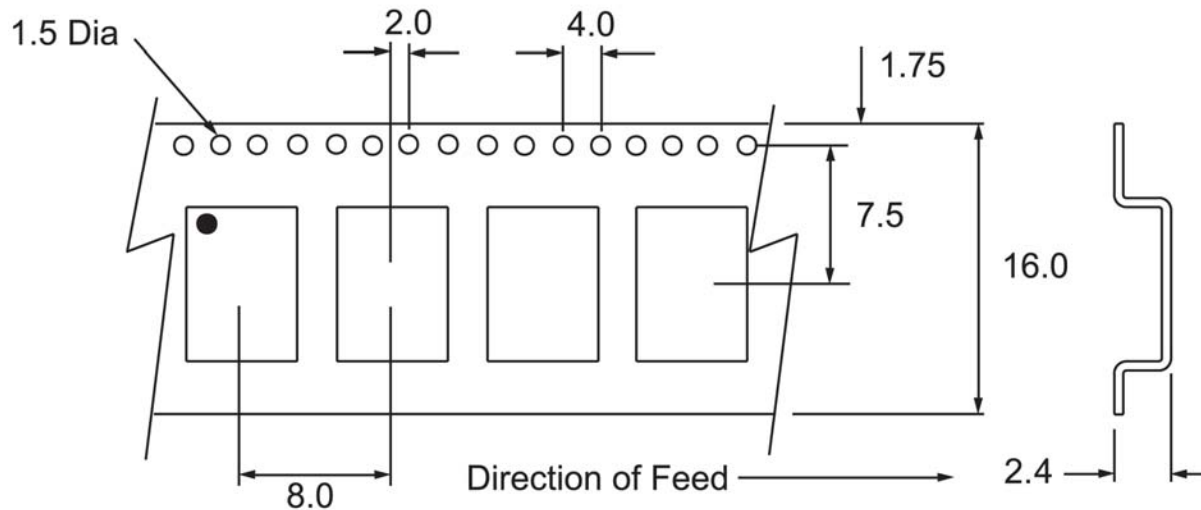


VF1 XO Miniature Ceramic 5x7mm SMD, HCMOS-TTL



Tape & Reel

Carrier Tape Dimensions:



Dimensions are millimeters.

Solder Reflow Characteristics:

