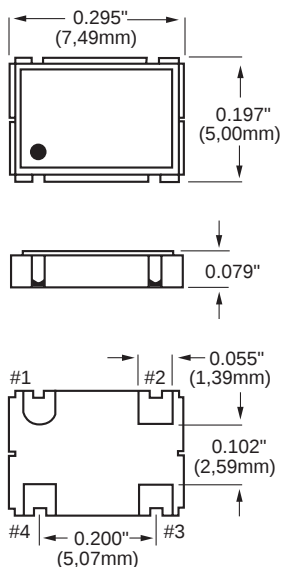


VF5

VF5 Series Miniature Ceramic SMD Tristate Oscillator HCMOS/TTL Compatible

FEATURES

- Miniature Ceramic Package
- Wide Frequency Range
- Industrial Temperature Available



All dimensions are typical unless otherwise specified.

Creating a Part Number

VF4 - - **FREQ.**

FREQUENCY STABILITY	
Code	Specification
A	±25 ppm*
B	±50 ppm
	±100 ppm (std.)

OPERATIONAL TEMP. RANGE	
Code	Specification
1	-10°C to +70°C
2	-40°C to +85°C*
3	-55°C to +125°C*

* Not always available

SYMMETRY	
Code	Specification
H	±5.0%
	±10.0%

Example: ?????

	Parameter	Symb	Condition	Min	Typ	Max	Unit	Note
Electrical	Input Break Down Voltage	V _{cc}		-0.5		7.0	V	
	Storage Temp.	T _s		-55		+125	°C	
	Frequency Range	F		1.8		80	MHz	
	Frequency Stability	ΔF/F	Overall	-100		100	ppm	1
	Input Voltage	V _{cc}		4.75	5.00	5.25	V	
	Input Current	I _{cc}	15pF load		25 45 65		mA	to 25MHz to 50MHz to 80MHz
	Load	10LS-TTL gates or 15pF						
	Duty Cycle		@50%V _{cc}	45	50	55	%	
	Rise/Fall Time	Tr/Tf	10% to 90%		5	10	ns	
	Logic "1" Level	V _{oh}	Loaded, overall	.9V _{cc}			V	
Environmental and Mechanical	Logic "0" Level	V _{ol}	Loaded, overall			.1V _{cc}	V	
	Tristate Function	Input HIGH (>2.5V) or floating: ACTIVE Input LOW (<0.5V): INFINITE IMPEDANCE						
	Start-up Time	T _s			3	10	ms	
	Enable / Disable Time					100	ns	
	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; 230°C, for 90s, Max.						
	Hermetic Seal	Leak rate less than 5 x 10 ⁻⁸ atm.cc/s of helium						
Electrical Connections	Pin Out	Pin #1-Tristate Control Pin #2-Case, GND Pin #3-Output Pin #4-V _{cc}						

Notes:

1. ±50ppm and ±25ppm stability available up to 50MHz for -10°C to 70°C operating temperature range.
2. For ±50ppm stability option add "B" to the part number, for ±25ppm add "A".
3. For industrial temperature range option (-40°C to 85°C) add "-1" to the part number.

All specifications are subject to change without notice.