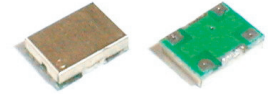


Temperature Compensated Crystal Oscillators



HCMOS TCXO/VC-TCXO IN MINIATURE (7x5x2 mm) SMD PACKAGE - TC75C Series

FEATURES

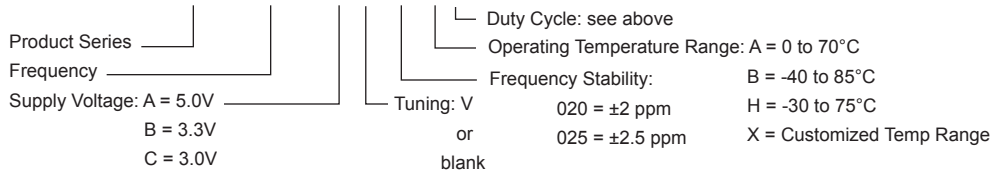
- RoHS Compliant (Pb-Free), Wide Frequency Range Available
- Voltage Control Option for Electric Frequency Adjustments
- Leadless Ultra Small Package, Industry de factor Standard Footprint
- Low Profile, Light Weight and Low Power Consumption

SPECIFICATIONS

Frequency Range	13 MHz to 38 MHz
Input Voltage (Vcc)	A = +5VDC $\pm 5\%$; B = +3.3VDC $\pm 5\%$; C = 3.0VDC $\pm 5\%$
Input Current	30 mA Maximum
Storage Temperature	-40°C to 85°C
Frequency Stability vs Temp.	020 = ± 2 ppm; 025 = ± 2.5 ppm; 050 = ± 5 ppm
Temperature Range	A = 0°C to 70°C; B = -40°C to 85°C; F = 0°C to 50°C; H = -30°C to 75°C
Standard Stability	025H = ± 2.5 ppm / -30°C to 75°C
Frequency Stability vs Vcc	± 0.3 ppm Maximum / Vcc $\pm 5\%$
Frequency Stability vs Load	± 0.3 ppm Maximum / 15 pF $\pm 10\%$
Aging	± 1 ppm Maximum per year @25°C
Initial Frequency Tolerance	± 2 ppm Maximum @25 ± 2 °C
EFC Range (option V)	± 10 ppm Typ over control voltage range (0.5 VDC to 2.5 VDC)
Output Load	HCMOS 15 pF
Logic "1" / Logic "0" Level	0.9Vcc Minimum / 0.1Vcc Maximum
Rise/Fall Time (Tr/Tf)	10 ns Maximum
Start-up time	10 ms Maximum
Duty Cycle	0 = No tristate 60/40%; 2 = No tristate 55/45%
Phase Noise	-135 dBc/Hz at 1KHz

Creating a Part Number

TC75C-27M000-B V 025 H 0



OUTLINE DRAWING

