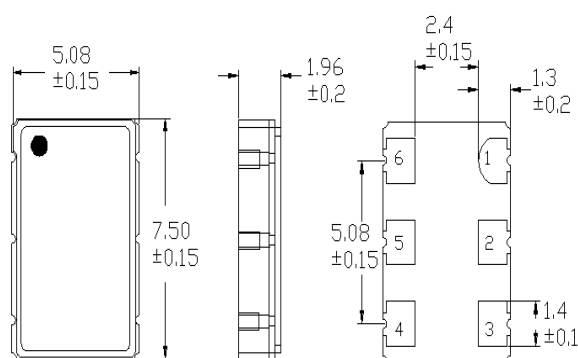


Ceramic SMD VCXO

code-k

1.544MHz to 52.0 MHz 3.3V & 5.0V
RVCXO-27M-5V-20ppm-C-D-B-20-a-B

General Specifications		
Output Logic	HCMOS / TTL Output	
Input Voltage VDD	3.3VDC $\pm$ 10%	5.0VDC $\pm$ 10%
Frequency Range	1.544MHz to 52.000MHz	
Overall Frequency Stability (a+b+c+d)	$\pm$ 25PPM, $\pm$ 50PPM, $\pm$ 100PPM Max.	
(a) Frequency Tolerance	Inclusive of Overall Stability	
(b) Temperature Stability	Inclusive of Overall Stability (Operating Temperature)	
(c) Input Voltage Stability	Inclusive of Overall Stability (VDD $\pm$ 5%)	
(d) Load Stability	Inclusive of Overall Stability (RL $\pm$ 5%)	
Aging (@25 °C)	$\pm$ 3PPM / Year (Maximum)	
Operating Temperature Range	0 to 70°C(Standard), -40 to 85 °C (Option)	
Storage Temperature Range	-55 to 125 °C	
Output Voltage High "1", V _{OH} W/TTL Load	2.4VDC Minimum	
W/HCMOS Load	2.7VDC Minimum	VDD-0.5VDC Minimum
Output Voltage High "0", V _{OL} W/TTL Load	0.4VDC Maximum	
W/HCMOS Load	0.5VDC Maximum	
Input Current	10 - 25mA Maximum	15 - 35mA Maximum
Rise Time(Tr) & Fall Time(Tf)	10 ns Max (0.4V to 2.4V W/TTL , Waveform/HCMOS)	
Duty Cycle	50% $\pm$ 10% (Standard), 50% $\pm$ 5%(Option)	
PIN 1 Control Voltage Range	1.65V $\pm$ 1.35V	2.5V $\pm$ 2.0V
Start-Up Time	10ms Maximum	
Jitter (One Sigma)	$\pm$ 25ps Maximum	
Linearity	$\pm$ 20% Maximum	



Pad 1 : Control Voltage
 Pad 2 : Tri - state or NC (option)
 Pad 3 : Ground
 Pad 4 : Output
 Pad 5 : Tri-state or NC
 Pad 6 : VDD

Part Number Information

RVCXO -27M-5V-20ppm-C-D-B-20-a-B

1 2 3 4 5 6 7 8 9 10

- 1) Ceramic SMD VCXO 6Pad
- 2) Frequency MHz
- 3) VDD (3 : 3.3V, 5 : 5.0V)
- 4) Frequency Tolerance Stability - Maximum (50 : $\pm$ 50PPM, 25 : $\pm$ 25PPM, 20 : $\pm$ 20PPM)
- 5) Operating Temperature Range (C : 0~70°C, E : -40~85°C)
- 6) Duty Cycle (D : 50 $\pm$ 10%, T : 50 $\pm$ 5%)
- 7) Pulling Range
A: $\pm$ 50PPM, B: $\pm$ 100PPM, C: $\pm$ 150PPM (Only 5V))
- 8) Linearity (20 : $\pm$ 20%, 10 : $\pm$ 10%)
- 9) Tri-state Position (a : Pad2, b : Pad5)
- 10) Packing Information
B = Bulk , TR = Tape and Reel

RVCXO -1.544-52M-k

Specifications may be subject to change

05/16/07

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