



Clock Oscillators SMD



**KC5032/KC5032C Series:** • Highly reliable miniature SMD ceramic package • Tri-state output inhibit • Low current consumption • Frequency Tolerance: ±50ppm • Supply Current: 60mA Max. • Rise/Fall Time: 10nsec Max. • Load Capacitance: 15pF Max. • Operating Temperature: -10°C ~ 70°C • Storage Temperature: -55°C ~ 125°C  
**K50-3C Series:** • Highly reliable SMD ceramic package • Tri-state output inhibit • Frequency Tolerance: ±50ppm • Supply Current: 50mA Max. • Rise/Fall Time: 10nsec Max. • Load Capacitance: 15pF Max. • Operating Temperature: -10°C ~ 70°C • Storage Temperature: -55°C ~ 125°C  
**K50-HC Series:** • Highly reliable SMD ceramic package • Tri-state output inhibit • Frequency Tolerance: ±50ppm • Supply Current: 50mA Max. • Rise/Fall Time: 10nsec Max. • Load Capacitance: 50pF Max. • Operating Temperature: -10°C ~ 70°C • Storage Temperature: -55°C ~ 125°C  
**K50H-3C Series:** • Special design package for high frequency applications • Tri-state output inhibit • Lower jitter • Frequency Tolerance: ±50ppm • Supply Current: 60mA Max. • Rise/Fall Time: 10nsec Max. • Load Capacitance: 15pF Max. • Operating Temperature: -10°C ~ 70°C • Storage Temperature: -55°C ~ 125°C  
**KC2520B Series:** • Miniature ceramic package • Highly reliable with seam welding • Low power supply consumption • Wide operating voltage range from 2.25V to 3.63V • Frequency Tolerance: ±50ppm • Supply Current: 5mA Max. • Rise/Fall Time: 5nS • Load Capacitance: 15pF • Operating Temperature: -40°C ~ 85°C • Storage Temperature: -55°C ~ 125°C  
**KC7050A Series:** • Miniature ceramic package • Highly reliable with seam welding • Supply Voltage Vcc: 3.3V • Operating Temperature Range: -10°C ~ 70°C • Max. Current Consumption: 70mA (LVDS), 90mA (PECL) • Stand-by Current: 30µA • Rise/Fall Time: 0.6ns • Output Load: 100Ω (LVDS), 50Ω (PECL)

10nsec Max. • Load Capacitance: 15pF Max. • Operating Temperature: -10°C ~ 70°C • Storage Temperature: -55°C ~ 125°C  
**KC2520B Series:** • Miniature ceramic package • Highly reliable with seam welding • Low power supply consumption • Wide operating voltage range from 2.25V to 3.63V • Frequency Tolerance: ±50ppm • Supply Current: 5mA Max. • Rise/Fall Time: 5nS • Load Capacitance: 15pF • Operating Temperature: -40°C ~ 85°C • Storage Temperature: -55°C ~ 125°C  
**KC3225A-C2/KC3225A-C3 Series:** • Miniature ceramic package • Highly reliable with seam welding • CMOS output • Frequency Tolerance: ±50ppm • Supply Current: 25mA Max. • Rise/Fall Time: 5ns max. • Load Capacitance: 15pF • Operating Temperature: -10°C ~ 70°C • Storage Temperature: -55°C ~ 125°C

Dimensions in mm

D

Enable/Disable Function		Pad Connection	
Pad #1	Pad #3	1	Control
"H" or Open	Oscillation	2	Case GND
"L"	High Impedance or Oscillation Stop (K50-HC Series does not include Oscillation Stop)	3	Output
		4	Vcc

  

Enable/Disable Function		Pad Connection	
Pad 1	Pad 3 (Output)	1	Enable/Disable
Open	Active	2	Case GND
"H" Level	Active	3	Output
"L" Level	High Z (No Oscillation)	4	Vcc

Fig.	Frequency (MHz)	Supply Voltage (V)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel		AVX Part No.	
				1	10	100	Qty.	Pricing		
<b>KC5032 Series</b>										
1A	14.31818	3.3	478-2094-1-ND	2.40	2.17	1.81	1,45	1,000	1201.20	KC5032C14.3182C30E0
	16.00000	3.3	478-2095-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	KC5032C16.0000C30E0
	20.00000	3.3	478-2096-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	KC5032C20.0000C30E0
	24.57600	3.3	478-2097-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	KC5032C24.5760C30E0
	25.00000	3.3	478-2098-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	KC5032C25.0000C30E0
	27.00000	3.3	478-2099-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	KC5032C27.0000C30E0
	29.49890	3.3	478-2100-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	KC5032C29.4989C30E0
	40.00000	3.3	478-2101-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	KC5032C40.0000C30E0
	50.00000	3.3	478-2102-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	KC5032C50.0000C30E0
	60.00000	3.3	478-2103-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	KC5032C60.0000C30E0
	64.00000	3.3	478-2104-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	KC5032C64.0000C30E0
	66.66670	3.3	478-2105-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	KC5032C66.6667C30E0
	75.00000	3.3	478-4796-1-ND	2.21	1.99	1.66	1.33	1,000	1105.10	KC5032C75.0000C30E0
	100.0000	3.3	478-4797-1-ND	3.60	3.25	2.71	2.17	1,000	1801.80	KC5032C100.0000C30E0
	106.2500	3.3	478-4798-1-ND	3.60	3.25	2.71	2.17	—	—	KC5032C106.2500C30E0
125.0000	3.3	478-4799-1-ND	3.60	3.25	2.71	2.17	1,000	1801.80	KC5032C125.0000C30E0	
150.0000	3.3	478-4800-1-ND	11.05	9.95	8.29	6.64	1,000	5525.52	KC5032C150.0000C30E0	
<b>KC5032C Series</b>										
1B	100.0000	2.5	478-6147-1-ND	3.60	3.25	2.71	2.17	1,000	1801.80	KC5032C100.0000C20E0
	125.0000	2.5	478-6148-1-ND	3.60	3.25	2.71	2.17	1,000	1801.80	KC5032C125.0000C20E0
<b>K50-3C Series</b>										
2A	14.31818	3.3	478-2084-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-3C05E14.31818MR
	16.00000	3.3	478-2085-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-3C05E16.0000MR
	24.57600	3.3	478-2086-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-3C05E24.5760MR
	25.00000	3.3	478-2087-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-3C05E25.0000MR
	29.49890	3.3	478-2088-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-3C05E29.4989MR
	40.00000	3.3	478-2089-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-3C05E40.0000MR
	50.00000	3.3	478-2090-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-3C05E50.0000MR
66.66670	3.3	478-2091-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-3C05E66.6667MR	
<b>K50-HC Series</b>										
2A	1.84320	5.0	478-2066-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-HC05E1.8432MR
	3.68640	5.0	478-2067-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-HC05E3.6864MR
	8.00000	5.0	478-2068-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-HC05E8.0000MR
	14.31818	5.0	478-2069-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-HC05E14.31818MR
	16.00000	5.0	478-2071-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-HC05E16.0000MR
	20.00000	5.0	478-2072-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-HC05E20.0000MR
	24.00000	5.0	478-2073-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-HC05E24.0000MR
	24.57600	5.0	478-2074-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-HC05E24.5760MR
	25.00000	5.0	478-2075-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-HC05E25.0000MR
	27.00000	5.0	478-2076-1-ND	4.20	3.79	3.16	2.53	1,000	2102.10	K50-HC05E27.0000MR
	28.63630	5.0	478-2077-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-HC05E28.6363MR
	29.49890	5.0	478-2078-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-HC05E29.4989MR
	40.00000	5.0	478-2079-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-HC05E40.0000MR
	48.00000	5.0	478-2080-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-HC05E48.0000MR
	49.15200	5.0	478-2081-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-HC05E49.1520MR
50.00000	5.0	478-2082-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-HC05E50.0000MR	
66.66670	5.0	478-2083-1-ND	2.40	2.17	1.81	1.45	1,000	1201.20	K50-HC05E66.6667MR	
<b>K50H-3C Series</b>										
3A	106.25000	3.3	478-2092-1-ND	4.80	4.33	3.61	2.89	1,000	2402.40	K50H-3C0-SE106.250MR
	125.00000	3.3	478-2093-1-ND	4.80	4.33	3.61	2.89	1,000	2402.40	K50H-3C0-SE125.000MR
<b>KC2520B Series</b>										
4B	4.09600	2.5/3.3	478-4585-1-ND	3.36	3.03	2.53	2.02	2,000	1681.68/M	KC2520B4.09600C2GE00
	7.37280	2.5/3.3	478-4586-1-ND	3.36	3.03	2.53	2.02	2,000	1681.68/M	KC2520B7.37280C2GE00
	25.00000	2.5/3.3	478-4587-1-ND	3.36	3.03	2.53	2.02	2,000	1681.68/M	KC2520B25.0000C2GE00
	27.00000	2.5/3.3	478-4588-1-ND	3.36	3.03	2.53	2.02	2,000	1681.68/M	KC2520B27.0000C2GE00
	33.33330	2.5/3.3	478-4589-1-ND	3.36	3.03	2.53	2.02	2,000	1681.68/M	KC2520B33.3333C2GE00
	48.00000	2.5/3.3	478-4590-1-ND	3.36	3.03	2.53	2.02	2,000	1681.68/M	KC2520B48.0000C2GE00
	14.3182	1.8/2.5/3.3	478-4777-1-ND	2.64	2.38	1.99	1.59	2,000	1321.32/M	KC2520B14.318210E00
	24.0000	1.8/2.5/3.3	478-4778-1-ND	2.64	2.38	1.99	1.59	2,000	1321.32/M	KC2520B24.000010E00
	24.5760	1.8/2.5/3.3	478-4779-1-ND	2.64	2.38	1.99	1.59	2,000	1321.32/M	KC2520B24.576010E00
	25.0000	1.8/2.5/3.3	478-4780-1-ND	2.64	2.38	1.99	1.59	2,000	1321.32/M	KC2520B25.000010E00
27.0000	1.8/2.5/3.3	478-4781-1-ND	2.64	2.38	1.99	1.59	2,000	1321.32/M	KC2520B27.000010E00	
48.0000	1.8/2.5/3.3	478-4782-1-ND	2.64	2.38	1.99	1.59	2,000	1321.32/M	KC2520B48.000010E00	
<b>KC3225A-C2 Series</b>										
5B	100.0000	2.5	478-6145-1-ND	3.48	3.14	2.62	2.09	2,000	1741.74/M	KC3225A100.0000C20E0
	125.0000	2.5	478-6146-1-ND	3.48	3.14	2.62	2.09	2,000	1741.74/M	KC3225A125.0000C20E0
<b>KC3225A-C3 Series</b>										
5B	12.00000	3.3	478-4783-1-ND	2.38	2.15	1.79	1.43	2,000	1189.19/M	KC3225A12.0000C30E0
	14.3182	3.3	478-4784-1-ND	2.38	2.15	1.79	1.43	—	—	KC3225A14.3182C30E0
	24.5760	3.3	478-4785-1-ND	2.38	2.15	1.79	1.43	2,000	1189.19/M	KC3225A24.5760C30E0
	25.00000	3.3	478-4786-1-ND	2.38	2.15	1.79	1.43	2,000	1189.19/M	KC3225A25.0000C30E0
	27.00000	3.3	478-4787-1-ND	2.38	2.15	1.79	1.43	2,000	1189.19/M	KC3225A27.0000C30E0
	30.00000	3.3	478-4788-1-ND	2.38	2.15	1.79	1.43	—	—	KC3225A30.0000C30E0
	40.00000	3.3	478-4789-1-ND	2.38	2.15	1.79	1.43	2,000	1189.19/M	KC3225A40.0000C30E0
	48.00000	3.3	478-4790-1-ND	2.38	2.15	1.79	1.43	2,000	1189.19/M	KC3225A48.0000C30E0
	49.15200	3.3	478-4791-1-ND	2.38	2.15	1.79	1.43	2,000	1189.19/M	KC3225A49.1520C30E0
	50.00000	3.3	478-4792-1-ND	2.38	2.15	1.79	1.43	2,000	1189.19/M	KC3225A50.0000C30E0
	54.00000	3.3	478-4793-1-ND	2.76	2.49	2.08	1.66	2,000	1381.38/M	KC3225A54.0000C30E0
	72.00000	3.3	478-4794-1-ND	2.76	2.49	2.08	1.66	2,000	1381.38/M	KC3225A72.0000C30E0
	75.00000	3.3	478-4795-1-ND	2.76	2.49	2.08	1.66	2,000	1381.38/M	KC3225A75.0000C30E0
	100.00000	3.3	478-4591-1-ND							