

Clock Oscillators Surface Mount Type

KC2520A-C1 Series, KC2520A-C2 Series, KC2520A-C3 Series, KC2520B-C2 Series



CMOS/ 1.8V/ 2.5V/ 3.3V/ 2.5×2.0mm



RoHS Compliant

Specifications

Type	Output Frequency Range (MHz)	Supply Voltage (Vcc)	Frequency Tolerance $\times 10^{-6}$	Current Consumption (mA)	Output Load (pF)
KC2520A-C1	1.5 to 50	1.8±5%, 10%	± 25 ± 30 ± 50 ±100	max. 5	15
KC2520A-C2	1.5 to 50	2.5±5%, 10%		max. 6	
KC2520A-C3	1.5 to 50	3.3±5%, 10%		max. 8	
KC2520B-C2	1.5 to 54	2.25 to 3.63		max. 5	

Note: Please contact us for inquiry about operating temperature range, available frequencies and other conditions.

KC2520A-C1 Series

Features

- Miniature ceramic package
- Highly reliable with seam welding
- CMOS output
- Supply voltage Vcc=1.8V
Lower voltage available

Table 1

Freq. Tol.		Operating Temperature Range (°C)	Note
Code	$\times 10^{-6}$		
0	± 50	-10 to +70	Standard specifications
S	± 30		With only certain frequencies
U	± 25		
F	± 100		
G	± 50	-40 to +85	

How to Order

KC2520A 25.0000 C 1 0 E 00
① ② ③ ④ ⑤ ⑥ ⑦

- ① Type (2.5×2.0mm SMD)
- ② Output Frequency
- ③ Output Type (CMOS)
- ④ Supply Voltage (1.8V)
- ⑤ Frequency Tolerance (See Table 1)
- ⑥ Symmetry/ INH Function (45/ 55%, Stand-by)
- ⑦ Customer Special Model Suffix (STD Specification is "00")

Packaging (Tape & Reel 2000 pcs./ reel)

KC2520A-C2 Series

Features

- Miniature ceramic package
- Highly reliable with seam welding
- CMOS output
- Supply voltage Vcc=2.5V
Lower voltage available

Table 1

Freq. Tol.		Operating Temperature Range (°C)	Note
Code	$\times 10^{-6}$		
0	± 50	-10 to +70	Standard specifications
S	± 30		With only certain frequencies
U	± 25		
F	± 100		
G	± 50	-40 to +85	

How to Order

KC2520A 25.0000 C 2 0 E 00
① ② ③ ④ ⑤ ⑥ ⑦

- ① Type (2.5×2.0mm SMD)
- ② Output Frequency
- ③ Output Type (CMOS)
- ④ Supply Voltage (2.5V)
- ⑤ Frequency Tolerance (See Table 1)
- ⑥ Symmetry/ INH Function (45/ 55%, Stand-by)
- ⑦ Customer Special Model Suffix (STD Specification is "00")

Packaging (Tape & Reel 2000 pcs./ reel)

KC2520A-C3 Series

Features

- Miniature ceramic package
- Highly reliable with seam welding
- CMOS output
- Supply voltage Vcc=3.3V

Table 1

Freq. Tol.		Operating Temperature Range (°C)	Note
Code	$\times 10^{-6}$		
0	± 50	-10 to +70	Standard specifications
S	± 30		With only certain frequencies
U	± 25		
F	± 100		
G	± 50	-40 to +85	

How to Order

KC2520A 25.0000 C 3 0 E 00
① ② ③ ④ ⑤ ⑥ ⑦

- ① Type (2.5×2.0mm SMD)
- ② Output Frequency
- ③ Output Type (CMOS)
- ④ Supply Voltage (3.3V)
- ⑤ Frequency Tolerance (See Table 1)
- ⑥ Symmetry/ INH Function (45/ 55%, Stand-by)
- ⑦ Customer Special Model Suffix (STD Specification is "00")

Packaging (Tape & Reel 2000 pcs./ reel)

KC2520B-C2 Series

Features

- Miniature ceramic package
2.5 (L) ×2.0 (W) ×0.7 (H) mm (Typ.)
- Highly reliable with seam welding
- CMOS output
- Supply voltage Vcc=2.5V/ 3.3V
Compatible
- Low Power Supply Consumption
- Wide Operating Voltage
Range 2.25 to 3.63V

Table 1

Freq. Tol. Code	$\times 10^{-6}$	Operating Temperature Range (°C)	Note
0	± 50	-10 to +70	Standard specifications
S	± 30		With only certain frequencies
U	± 25		
F	± 100		
G	± 50	-40 to +85	

How to Order

KC2520B 25.0000 C 2 0 E 00
① ② ③ ④ ⑤ ⑥ ⑦

- ① Type (2.5×2.0mm SMD)
- ② Output Frequency
- ③ Output Type (CMOS)
- ④ Supply Voltage (2.5V, 3.3V
Compatible)
- ⑤ Frequency Tolerance (See Table 1)
- ⑥ Symmetry/ INH Function (45/ 55%, Stand-by)
- ⑦ Customer Special Model Suffix (STD Specification is "00")

Packaging (Tape & Reel 2000 pcs./ reel)

Mouser Electronics

Authorized Distributor

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<u>KC2520A14.3182C20E00</u>	<u>KC2520A14.3182C30E00</u>	<u>KC2520A48.0000C20E00</u>	<u>KC2520A48.0000C30E00</u>
<u>KC2520A20.0000C30E00</u>	<u>KC2520A27.0000C30E00</u>	<u>KC2520A25.0000C30E00</u>	<u>KC2520A16.0000C30E00</u>
<u>KC2520A16.0000C20E00</u>	<u>KC2520A27.0000C20E00</u>	<u>KC2520A20.0000C20E00</u>	