

**These products are NOT recommended for new designs.**



**Pb Free**

**RoHS Compliant**

**Specifications**

Type	Output Frequency Range (MHz)	Supply Voltage (Vcc)	Frequency Tolerance × 10 <sup>-6</sup>	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. Code	Freq. Tol. × 10 <sup>-6</sup>	Operating Temperature Range (°C)	Note
<b>0</b>	± 50	-10 to +70	Standard specifications
<b>S</b>	± 30		
<b>U</b>	± 25	-40 to +85	With only certain frequencies
<b>F</b>	±100		
<b>G</b>	± 50		

**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/ Enable 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. Code	Freq. Tol. × 10 <sup>-6</sup>	Operating Temperature Range (°C)	Note
<b>0</b>	± 50	-10 to +70	Standard specifications
<b>S</b>	± 30		
<b>U</b>	± 25	-40 to +85	With only certain frequencies
<b>F</b>	±100		
<b>G</b>	± 50		

**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/ Enable 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. Code	Freq. Tol. × 10 <sup>-6</sup>	Operating Temperature Range (°C)	Note
<b>0</b>	± 50	-10 to +70	Standard specifications
<b>S</b>	± 30		
<b>U</b>	± 25	-40 to +85	With only certain frequencies
<b>F</b>	±100		
<b>G</b>	± 50		

**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/ Enable 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	Freq. Tol. × 10 <sup>-6</sup>	Operating Temperature Range (°C)	Note
<b>0</b>	± 50	-10 to +70	Standard specifications
<b>S</b>	± 30		
<b>U</b>	± 25	-40 to +85	With only certain frequencies
<b>F</b>	±100		
<b>G</b>	± 50		

**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/ Enable Function (45/ 55%, Stand-by)
- ⑦ Customer Special Model Suffix (STD Specification is "00")

Packaging (Tape & Reel 2000 pcs./ reel)