

**KC7050H-C3 Series (K50H-3C Series)**



RoHS Compliant

**Features**

- Miniature ceramic package
- Highly reliable with seam welding
- CMOS output
- Supply voltage  $V_{CC}=3.3V$
- With built-in by-pass capacitor

**Table 1**

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

**How to Order**

KC7050H 125.0000 C 3 0 E 00  
 ① ② ③ ④ ⑤ ⑥ ⑦

- ① Type (7.0×5.0mm 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 1000 pcs./ reel)

**KC7050C-C3 Series (K50-3C Series)**  
**KC7050C-C5 Series (K50-HC Series)**



RoHS Compliant

**KC7050C-C3 Series**

**Features**

- Miniature ceramic package
- Highly reliable with seam welding
- CMOS output
- Supply voltage  $V_{CC}=3.3V$
- $\pm 25 \times 10^{-6}$  available

**Table 1**

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

**How to Order**

KC7050C 25.0000 C 3 0 E 00  
 ① ② ③ ④ ⑤ ⑥ ⑦

- ① Type (7.0×5.0mm SMD)
- ② Output Frequency
- ③ Output Type (CMOS)
- ④ Supply Voltage (3.3V)
- ⑤ Frequency Tolerance (See Table 1)
- ⑥ Symmetry/ INH Function (E: 45/ 55%, Stand-by) (D: 45/ 55%, Disable)
- ⑦ Customer Special Model Suffix (STD Specification is "00")

Packaging (Tape & Reel 1000 pcs./ reel)



RoHS Compliant

**KC7050C-C5 Series**

**Features**

- Miniature ceramic package
- Highly reliable with seam welding
- CMOS output
- Supply voltage  $V_{CC}=5.0V$
- $\pm 25 \times 10^{-6}$  available

**Table 1**

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

**How to Order**

KC7050C 25.0000 C 5 0 D 00  
 ① ② ③ ④ ⑤ ⑥ ⑦

- ① Type (7.0×5.0mm SMD)
- ② Output Frequency
- ③ Output Type (CMOS)
- ④ Supply Voltage (5.0V)
- ⑤ Frequency Tolerance (See Table 1)
- ⑥ Symmetry/ INH Function (45/ 55%, Disable)
- ⑦ Customer Special Model Suffix (STD Specification is "00")

Packaging (Tape & Reel 1000 pcs./ reel)

**Specifications**

Type	Output Frequency Range (MHz)	Supply Voltage (Vcc)	Frequency Tolerance ( $\times 10^{-6}$ )	Current Consumption (mA)	Output Load (pF)
KC7050H-C3	80 to 170	3.3±10%	$\pm 25$ $\pm 30$ $\pm 50$ $\pm 100$	max. 60	15
KC7050C-C3	1.5 to 80	3.3± 5%		max. 30	
KC7050C-C5	1.5 to 68	5.0±10% 5.0± 5%		max. 50	50 (1.5≤fo≤50MHz) 15 (50<fo≤68MHz)

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