



SAW Clock Oscillators Surface Mount Type

KC7050T-P2 Series, KC7050T-P3 Series, KC7050T-L2 Series, KC7050T-L3 Series



PECL/ 2.5V/ 3.3V, LVDS/ 2.5V/ 3.3V/ 7.0×5.0mm



RoHS Compliant

Specifications

Type	Output Frequency Range (MHz)	Supply Voltage (Vcc)	Frequency Tolerance $\times 10^{-6}$	Current Consumption (mA)	Output Load (Ω)
KC7050T-P2	150 to 600	2.5 $\pm$ 5%	± 50	max. 90	50
KC7050T-P3	150 to 600	3.3 $\pm$ 5%		max. 90	
KC7050T-L2	150 to 600	2.5 $\pm$ 5%		max. 70	100
KC7050T-L3	150 to 600	3.3 $\pm$ 5%		max. 70	

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

KC7050T-P2 Series

Features

- Low voltage 2.5V
- Excellent Jitter performance
- LV-PECL output
- Operation at fundamental high frequency
- $\pm 50 \times 10^{-6}$ available

Table 1

Freq. Tol. Code	Tol. $\times 10^{-6}$	Operating Temperature Range (°C)	Note
1	± 100	0 to +70	Standard specifications
0	± 50		With only certain frequencies
A	± 100	-5 to +85	

How to Order

KC7050T 312.500 P 2 1 E 00
① ② ③ ④ ⑤ ⑥ ⑦

- ① Type (7.0×5.0mm SMD)
- ② Output Frequency
- ③ Output Type (PECL)
- 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 1000 pcs./ reel)

KC7050T-P3 Series

Features

- Low voltage 3.3V
- Excellent Jitter performance
- Complementary LV-PECL outputs
- Operation at fundamental high frequency
- $\pm 50 \times 10^{-6}$ available

Table 2

Freq. Tol. Code	Tol. $\times 10^{-6}$	Operating Temperature Range (°C)	Note
1	± 100	0 to +70	Standard specifications
0	± 50		With only certain frequencies
A	± 100	-5 to +85	

How to Order

KC7050T 312.500 P 3 1 E 00
① ② ③ ④ ⑤ ⑥ ⑦

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

Packaging (Tape & Reel 1000 pcs./ reel)

KC7050T-L2 Series

Features

- Low Voltage 2.5V
- Excellent Jitter performance
- LVDS output
- Operation at Fundamental high frequency
- $\pm 50 \times 10^{-6}$ available

Table 3

Freq. Tol. Code	Tol. $\times 10^{-6}$	Operating Temperature Range (°C)	Note
1	± 100	0 to +70	Standard specifications
0	± 50		With only certain frequencies
A	± 100	-5 to +85	

How to Order

KC7050T 312.500 L 2 1 E 00
① ② ③ ④ ⑤ ⑥ ⑦

- ① Type (7.0×5.0mm SMD)
- ② Output Frequency
- ③ Output Type (LVDS)
- ④ Supply Voltage (2.5V)
- ⑤ Frequency Tolerance (See Table 3)
- ⑥ Symmetry/ INH Function (45/ 55%, Stand-by)
- ⑦ Customer Special Model Suffix (STD Specification is "00")

Packaging (Tape & Reel 1000 pcs./ reel)

KC7050T-L3 Series

Features

- Low Voltage 3.3V
- Excellent Jitter performance
- LVDS output
- Operation at Fundamental high frequency
- $\pm 50 \times 10^{-6}$ available

Table 4

Freq. Tol. Code	Tol. $\times 10^{-6}$	Operating Temperature Range (°C)	Note
1	± 100	0 to +70	Standard specifications
0	± 50		With only certain frequencies
A	± 100	-5 to +85	

How to Order

KC7050T 312.500 L 3 1 E 00
① ② ③ ④ ⑤ ⑥ ⑦

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

Packaging (Tape & Reel 1000 pcs./ reel)

Mouser Electronics

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