

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 × 10 ⁻⁶ | Current Consumption (mA) | Output Load (Ω) |
|------------|------------------------------|----------------------|----------------------------------------|--------------------------|-----------------|
| KC7050T-P2 | 150 to 600 | 2.5± to 5% | ±50 | max. 90 | 50 |
| KC7050T-P3 | 150 to 600 | 3.3± to 5% | | max. 90 | |
| KC7050T-L2 | 150 to 600 | 2.5± to 5% | | max. 70 | 100 |
| KC7050T-L3 | 150 to 600 | 3.3± to 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
- ±50×10⁻⁶ available

Table 1

| Freq. Tol. Code | Freq. Tol. × 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

- Excellent Jitter performance
- Complementary LV-PECL outputs
- Operation at fundamental high frequency
- ±50×10⁻⁶ available

Table 2

| Freq. Tol. Code | Freq. Tol. × 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
- ±50×10⁻⁶ available

Table 3

| Freq. Tol. Code | Freq. Tol. × 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
- ±50×10⁻⁶ available

Table 4

| Freq. Tol. Code | Freq. Tol. × 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

Authorized Distributor

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