

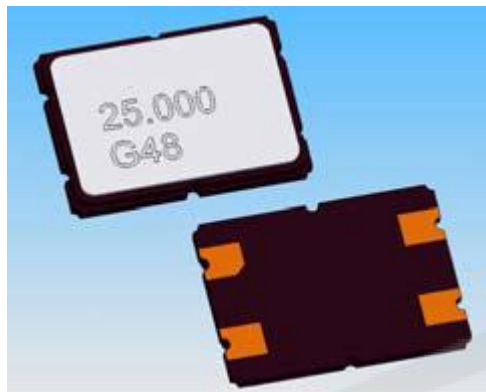


We are committed to the supply of all types of substrate wafers to the microelectronics industry

C1 Type Crystal

Features

- Typical 7.0 x 5.0 x 1.2 mm ceramic metal SMD package.
- Resistance welding for hermetical seal.
- Tape & Reel packaging for automatic assembly.
- Tight tolerance 10 ppm available.
- High frequency up to 50MHz fundamental.
- Lead Free and RoHS compliant



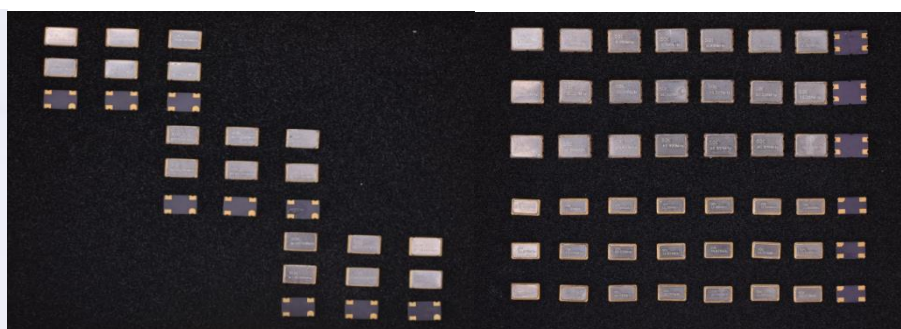
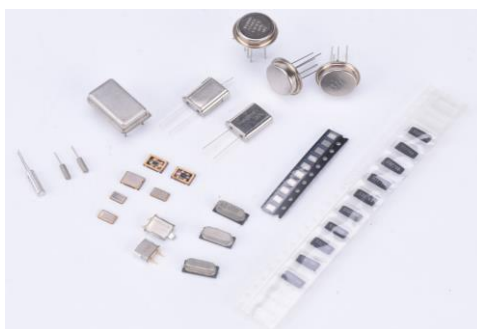
ORDERING GUIDANCE

| Product Type | - | Oscillation Mode | Calibration Tolerance (ppm) | Temperature Stability (ppm) | Operation Temp Range (°C) | Load Capacitance (pF) | - | Frequency (MHz) |
|---------------------|------|---|--|--|---|------------------------------------|------|-----------------|
| Code: Meaning | Dash | Code: Meaning | Code: Meaning | Code: Meaning | Code: Meaning | Code: Meaning | Dash | |
| C1: 7x5 SMD Crystal | | 1: Fund 3: 3 rd OT 5: 5 th OT | A: ±10 B: ±15 C: ±20 D: ±30 F: ±50 G: ±5 H: ±25 XX: Special | 1: ±10 2: ±15 3: ±20 4: ±30 5: ±50 6: ±100 7: ±5 8: ±3 9: ±25 00: Special | A: -10~+60 B: 0~+70 C: -20~+70 D: -40~+85 E: -55~+125 F: -10~+70 G: -40~+60 H: 0~+60 I: -20~+60 J: -40~+105 K: -40~+70 L: -40~+125 | 0: Series XX: CL Value In pF | | XXX.XXXXXX |

Ordering Example: C1-1D4C18-20.000

7x5 SMD crystal, Fund, ±30ppm@25°C, ±30ppm/-20°C~+70°C, CL=18pF, 20MHz

Note: If any other requirements are needed, they should be specified in customers' order.



HANGZHOU FREQCONTROL ELECTRONIC TECHNOLOGY LTD.

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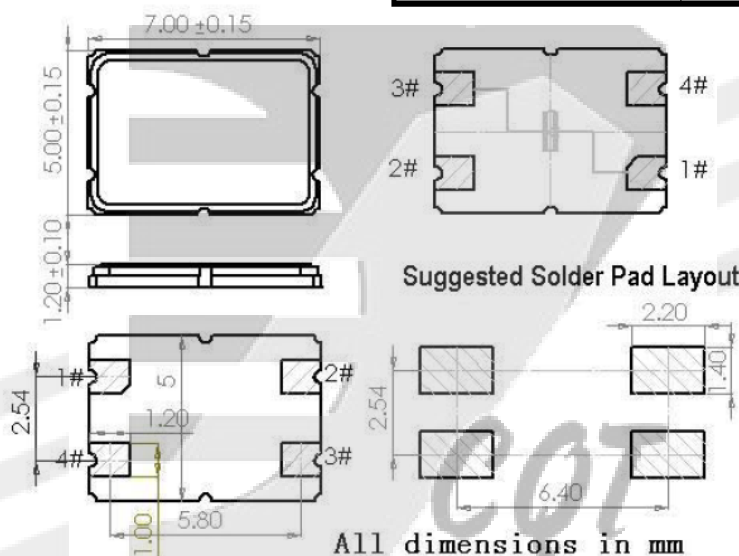
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**Electrical Specification
Resistance(ESR)**

Equivalent Series

| | |
|---------------------------|-----------------------|
| Storage Temp. Range | -55°C to +125°C |
| Drive Level(DL) | 50uW typ., 500uW Max. |
| Shunt Capacitance(C0) | 7.0pF Max. |
| Insulation Resistance(IR) | 500MΩ Min. @ 100V DC |
| Aging | ±3ppm/year |

| Frequency (MHz) | Mode | Max ESR (Ohms) |
|-------------------|---------------------|----------------|
| 7.3728 – 8.000 | Fund | 80 |
| 8.001 – 12.000 | Fund | 60 |
| 12.001 – 20.000 | Fund | 40 |
| 20.001 – 50.000 | Fund | 30 |
| 36.000 – 50.000 | 3 rd O/T | 80 |
| 50.001 – 125.000 | 3 rd O/T | 60 |
| 100.000 – 150.000 | 5 th O/T | 120 |



All dimensions in mm

CHINA QUARTZ TECHNOLOGY

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