



1.6 × 1.2mm for Mobile Communications



RoHS Compliant
PSL: R4Y MSL1

Features

- Crystal Unit with Thermistor
- Reference frequency for telecommunication systems
- Reflow compatible
- Using ceramic package resulting in high reliability

Applications

- Mobile Communications, GNSS

How to Order

CT1612RB 38400 **CC**

① ② ③ ④ ⑤ ⑥ ⑦

- ① Series
- ② Frequency
- ③ Load Capacitance
- ④ Frequency Tolerance

B0	6 pF	—	F	$\pm 10 \times 10^{-6}$	Std.
C0	7 pF	—	G	$\pm 15 \times 10^{-6}$	—
D0	8 pF	Std.			

- ⑤ Operating Temp. Range
- ⑥ Frequency Temp. Stability

LH	-30 to +85° C	$\pm 12 \times 10^{-6}$ (at -30 to +85° C)
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⑦ Individual Specification
(STD Specification is "CC" .)

Packaging (Tape & Reel 15000 pcs./ reel)

Specifications

Item	Symbol	Specification	Unit	Remarks
Frequency Range	f _{nom}	38400 to 76800	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	Please contact us for other CL requirements.
Frequency Tolerance	f _{tol}	± 10	$\times 10^{-6}$	25° C $\pm 3^\circ$ C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	10	μ W	100 μ W max.
Operating Temp. Range	T _{use}	-30 to +85	° C	
Storage Temp. Range	T _{stg}	-40 to +105	° C	
Frequency Temp. Characteristics	f _{tem}	± 12	$\times 10^{-6}$	
Thermistor Resistance	—	Table 2	ohm	25° C $\pm 3^\circ$ C
Thermistor B-Constant	—	Table 3	K	25° C to 50° C

Table 1 Motional Series Resistance

Frequency Range	Motional Series Resistance
38400 to 76800kHz	50 Ω max.

Table 2 Thermistor Resistance

Resistance	Specification
100k Ω	$\pm 1\%$

Table 3 Thermistor B-Constant

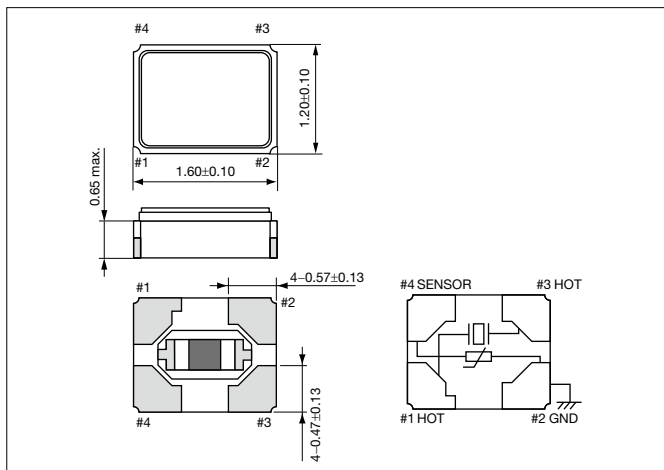
B-Constant	Specification
4250K	$\pm 1\%$

Please contact us for other specifications.

Crystal Units

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

