



5032 Ceramic SMD Crystals

■ Holder Type: CE(2pads 5.0×3.2)

Frequency Range:

8.00MHz to 50.00MHz

Features:

- High Reliability & Low Cost Unit
- Tight Stability & Extended Temperature Available
- Lead-free Type
- For automotive applications, please contact our sales representative

QUARTZ
CRYSTALS



Actual Size



■ Standard Specifications

Item	Value
Frequency Range	8.00 to 50.00MHz
Frequency Tolerance	±30ppm (tighter tolerance also available)
Frequency Tolerance over Temperature range	±50ppm (tighter tolerance also available)
Operating Temperature Range	-10 °C to +60 °C (other operating range also available)
Operable Temperature Range	-40 °C to +85 °C
Equivalent Series Resistance (ESR)	Please refer to the ESR Table
Drive Level	50μW (0.001μW to 1000μW also available)
Load Capacitance	8pF (3pF, 4.5pF, 6pF and series also available)
Aging	±5ppm/year

■ ESR Table

Frequency Range (MHz)	Mode	Standard ESR (Ohm)
8 to 14	AT Cut Fund.	150
14 to 20	AT Cut Fund.	120
20 to 26	AT Cut Fund.	100
26 to 50	AT Cut Fund.	60

Note:

1. Manufacturer reserves the right to change the specification and content of this product for improvement without notification.
2. Custom specification is welcome. Please contact our sales representative for further details.
3. If the crystal is intended for applications which have direct impact on human life and properties, and require a high degree of reliability and safety concerns, customers must provide full information such as but not limit to the application, electrical and reliability specification at the inquiry beginning stage.
4. Customers have to agree to the "Guideline for handling crystal units" and "Standard Terms and Condition of Sales" which is printed this catalog before placing orders to our company or our distributors. There are also unpredictable factors such as applied condition, oscillation margin and etc and customers must check them beforehand. In case of queries, please do not fail to send inquiry to our company before ordering.

<http://www.hongkongcrystal.com>

E-mail: China: salescn1@hongkongcrystal.com

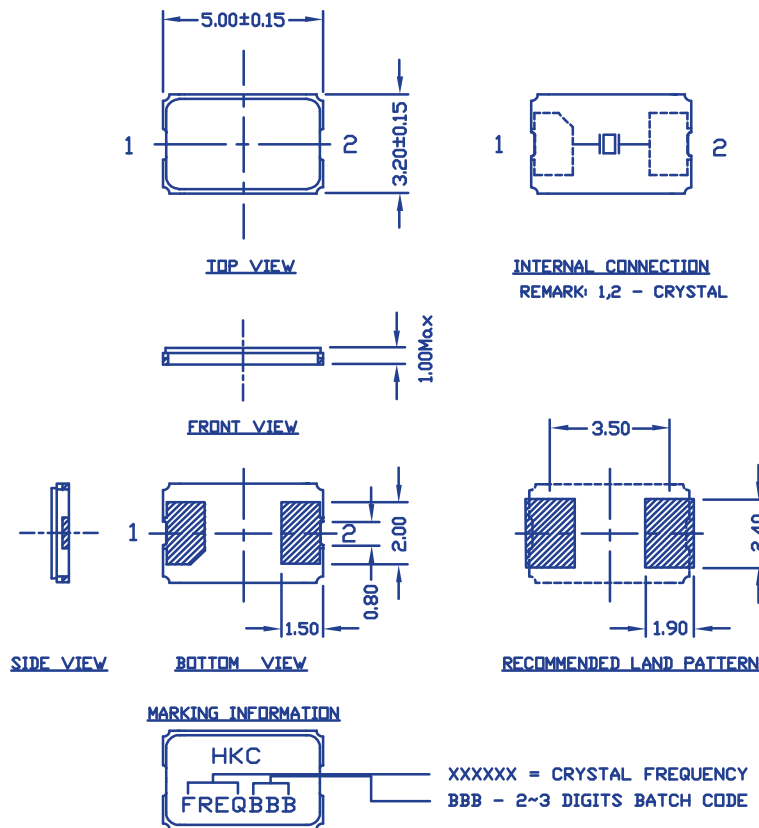
HongKong/Overseas: inquiry@hongkongcrystal.com

HongKong/Overseas: T:+852-35112388 F:+852-35112420

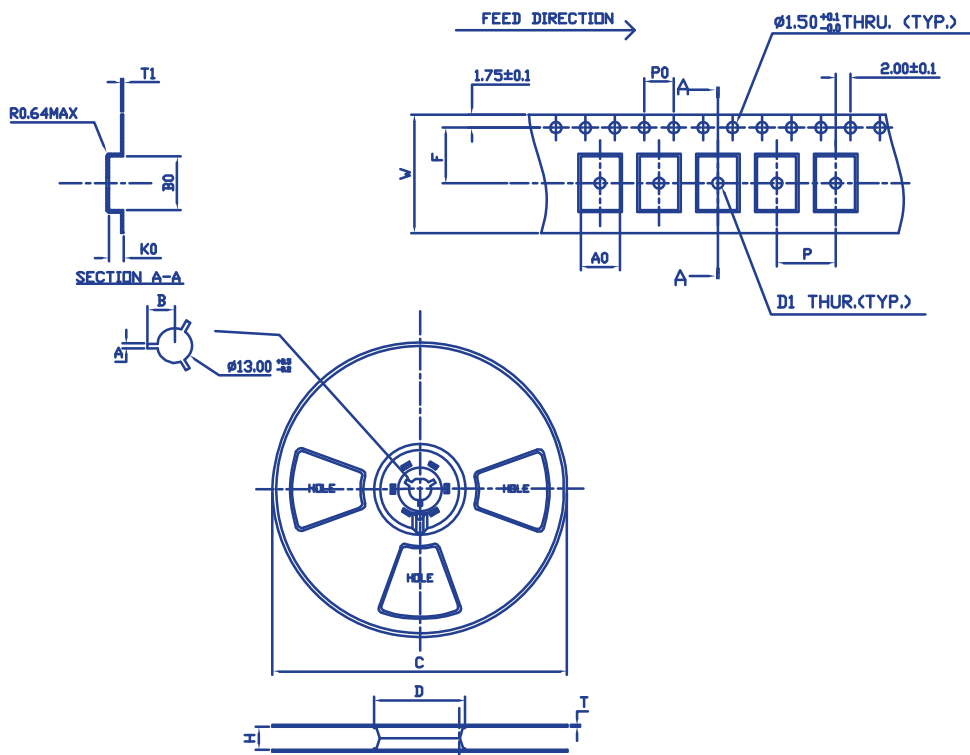
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■ Dimensions (mm) and Solder Pad Layout (mm)



■ Tape & Reel (mm)



		5x3.2 SMD	
T A P E	PART NO.	48065007	
	W	16.00 ^{+0.2} _{-0.1}	
	P	8.00±0.1	
	A0	3.50±0.1	
	B0	5.30±0.1	
	K0	1.00±0.1	
	P0	4.00±0.1	
	F	7.50±0.1	
	D1	1.50 ^{+0.1} _{-0.0}	
	T1	0.30±0.05	
R E E L	PART NO.	48060024/48060050	
	C	Ø178.0±1	Ø330±1
	A	2.0±0.5	2.3±0.3
	B	10.0±0.5	10.75±0.2
	D	Ø50.0±0.5	Ø100.0±1
	H	16.5±0.5	16.5±0.5
	T	1.50±0.2	2.3±0.3
QTY.		1000PCS/R	4000PCS/R



5032 Ceramic SMD Crystals

■ Holder Type: CA(4 pads 5.0×3.2)

Frequency Range:

8.00MHz to 50.00MHz

Features:

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- Lead-free Type
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QUARTZ
CRYSTALS



Actual Size



■ Standard Specifications

Item	Value
Frequency Range	8.00 to 50.00MHz
Frequency Tolerance	±30ppm (tighter tolerance also available)
Frequency Tolerance over Temperature range	±50ppm (tighter tolerance also available)
Operating Temperature Range	-10 °C to +60 °C (other operating range also available)
Operable Temperature Range	-40 °C to +85 °C
Equivalent Series Resistance (ESR)	Please refer to the ESR Table
Drive Level	50μW (0.001μW to 1000μW also available)
Load Capacitance	8pF (3pF, 4.5pF, 6pF and series also available)
Aging	±5ppm/year

■ ESR Table

Frequency Range (MHz)	Mode	Standard ESR (Ohm)
8 to 14	AT Cut Fund.	150
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20 to 26	AT Cut Fund.	100
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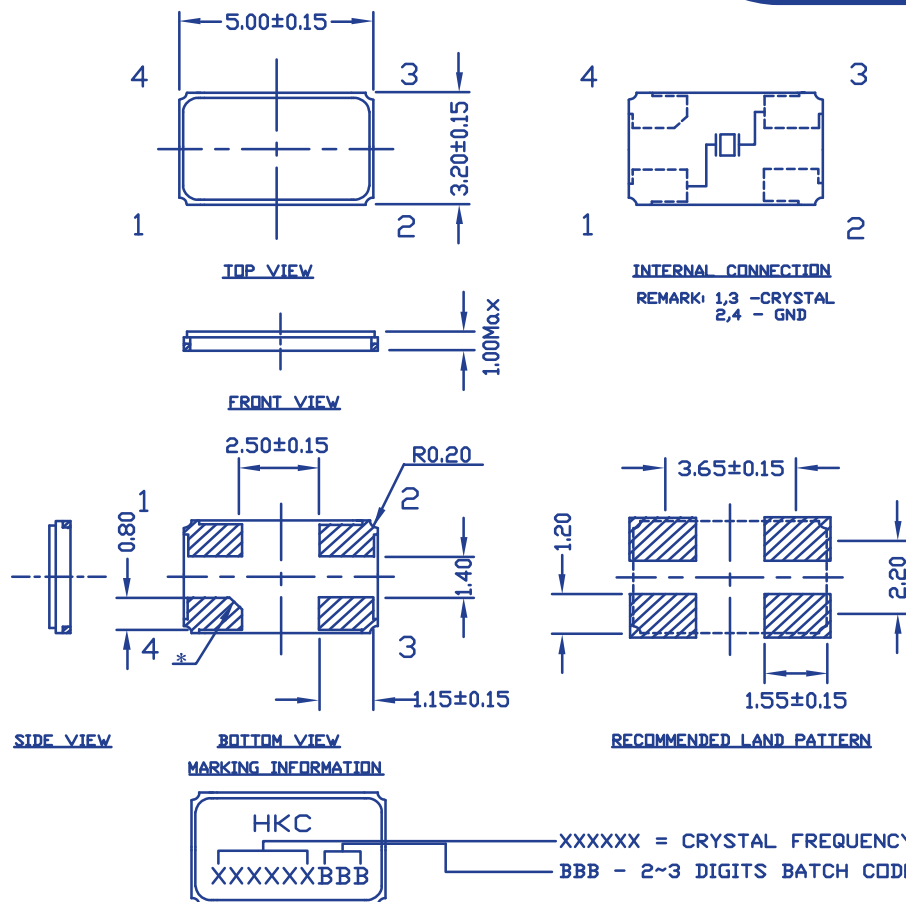
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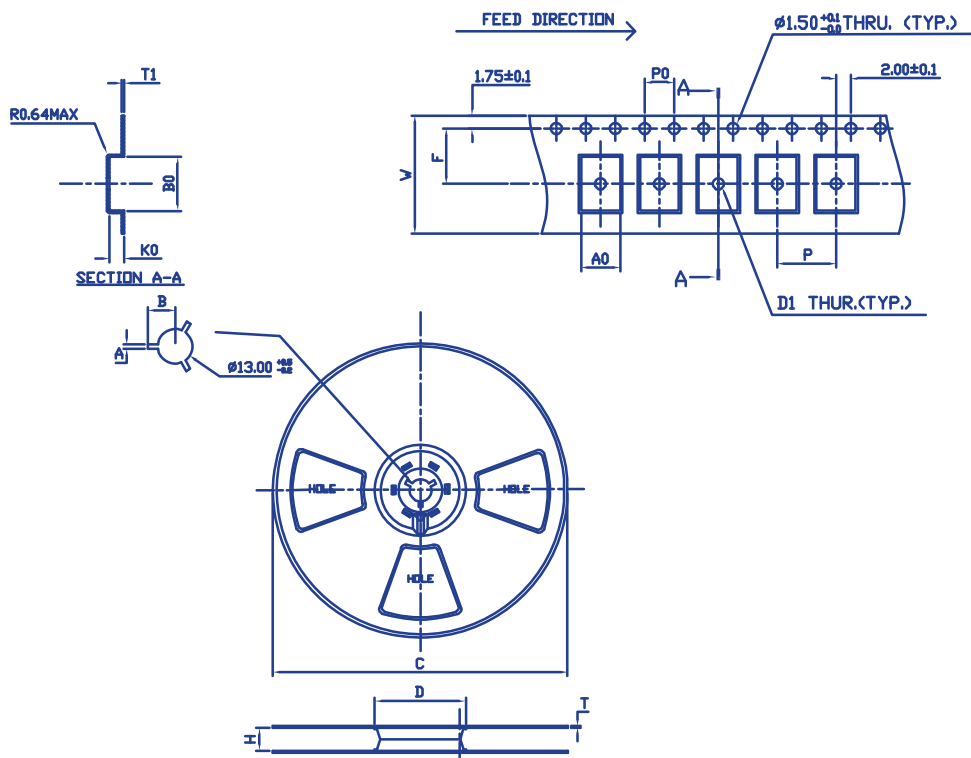
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■ Holder Type: CA(4 pads 5.0×3.2)

5032 Ceramic SMD Crystals



■ Tape & Reel (mm)



		5×3.2 SMD	
T A P E	PART NO.	48065007	
	W	16.00±0.1	
	P	8.00±0.1	
	A0	3.50±0.1	
	B0	5.30±0.1	
	K0	1.00±0.1	
	P0	4.00±0.1	
	F	7.50±0.1	
R E E L	D1	1.50±0.05	
	T1	0.30±0.05	
	PART NO.	48060024/48060050	
	C	Ø178.0±1	Ø330±1
	A	2.0±0.5	2.3±0.3
	B	10.0±0.5	10.75±0.2
	D	Ø50.0±0.5	Ø100.0±1
	H	16.5±0.5	16.5±0.5
	T	1.50±0.2	2.3±0.3
QTY.		1000PCS/R	4000PCS/R