

RoHS Compliant
EU 2002/95/EC
HSC

SPECIFICATION

P/N: D526000F1050B10FT

Issued By:	Checked By:	Approved By:
-------------------	--------------------	---------------------

深圳市鸿胜晶电子有限公司
Shenzhen Haosen Crystal Electronics Co., Ltd.

Add: Room 4029, Dongbian Business Building, Mizhi Avenue, Baoan district, Shenzhen, China 518131
TEL: 0755-33079336 FAX: 0755-33079337
E-mail: hsc@haosenxtal.com URL: [Http://www.haosenxtal.com](http://www.haosenxtal.com)

Quartz Crystal

D5 Series 3.2x2.5 4pads SMD Type



FEATURE

- I Ultra thin, thickness 1.0mm
- I Leadless type
- I High precision characteristic covering up to high frequency range
- I Designed for automatic mounting and reflow soldering
- I Embossed taping specification
- I The best choice of Bluetooth wireless communication sets, DSN, PDA and mobile phone

ELECTRICAL SPECIFICATIONS

Output Frequency Range	26.000 MHz
Mode	AT/Fundamental
Frequency Tolerance (at 25°C)	±10ppm
Frequency Stability Over Operating Temperature Characteristics	±10ppm
Operating Temperature Range	-20 °C to +70 °C
Storage Temperature Range	-40 °C to +85 °C
Shunt Capacitance (C ₀)	3.0 PF Max
Driver Level (Typical)	10μW
Load Capacitance(C _L)	12 PF
Equivalent Series Resistance(ESR)	50 Ω Max
Aging @25°C 1 st year (Max)	±3ppm/year
Insulation resistance	More than 500MΩ AT DC100V

REMARK: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. PLEASE CONFIRM WITH OUR SALES ENGINEER.

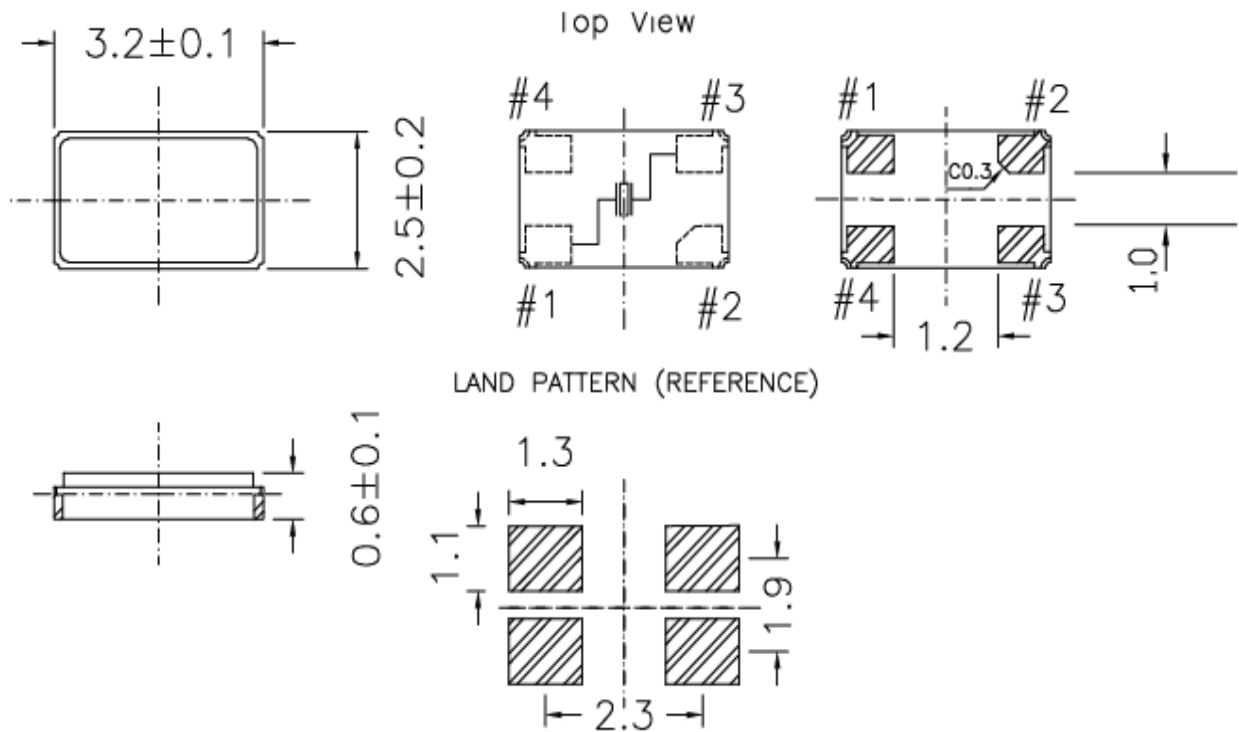
Add: Room 4029,Dongbian Business Building, Mizhi Avenue, Baoan district, Shenzhen, China 518131
TEL:0755-33079336 FAX:0755-33079337
E-mail: hsc@haosenxtal.com URL: [Http://www.haosenxtal.com](http://www.haosenxtal.com)

Quartz Crystal

D5 Series 3.2x2.5 4pads SMD Type



Dimension



Marking

<p>*MARKING: D->YEAR C->MONTH</p> <p>YEAR : 1 2 3 4 5 6 7 8 9 0</p> <p>CODE : A B C D E F G H J K</p> <p>MONTH: 1 2 3 4 5 6 7 8 9 10 11 12</p> <p>CODE : A B C D E F G H J K L M</p>	<div style="border: 1px solid black; padding: 10px; width: 150px; margin: 0 auto;"> <p>32.0</p> <p>.S DC</p> </div>
--	---

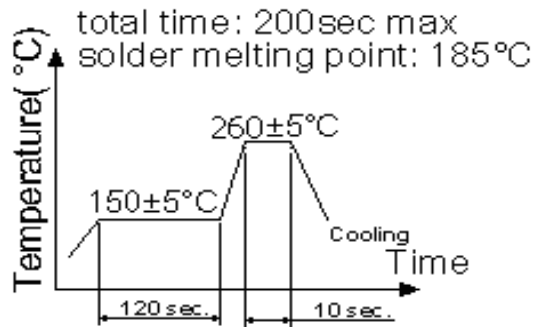
Add: Room 4029,Dongbian Business Building, Mizhi Avenue, Baoan district, Shenzhen, China 518131
 TEL:0755-33079336 FAX:0755-33079337
 E-mail: hsc@haosenxtal.com URL: [Http://www.haosenxtal.com](http://www.haosenxtal.com)

Quartz Crystal

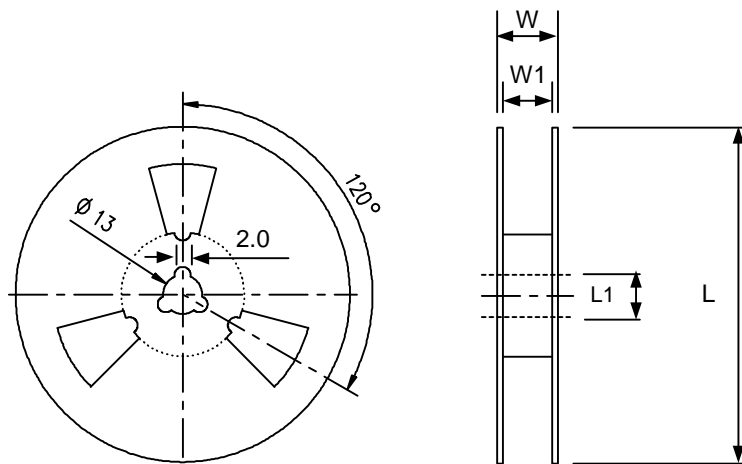
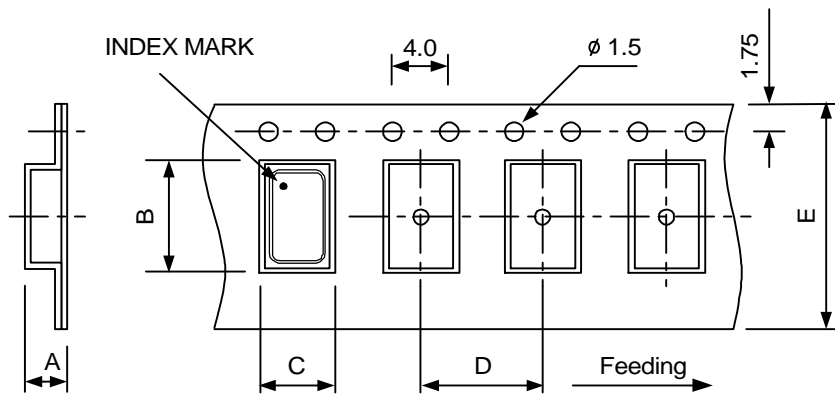
D5 Series 3.2x2.5 4pads SMD Type



Reflow Condition



PACKING



DIMENSIONS	L	L1	W	W1	pcs / Reel (UNIT : mm)
	178	13	11.5	8	Standard Reel Quantity is 3,000 pcs per reel

Add: Room 4029,Dongbian Business Building, Mizhi Avenue, Baoan district, Shenzhen, China 518131

TEL:0755-33079336

FAX:0755-33079337

E-mail: hsc@haosenxtal.com

URL: [Http://www.haosenxtal.com](http://www.haosenxtal.com)

Quartz Crystal

D5 Series 3.2x2.5 4pads SMD Type



RELIABILITY TEST SPECIFICATION

Test item	Equipment	Condition	Specification
1.SOLDERABILITY TEST	RC-328A	1.solderability:245±5℃, 5±0.5S 2.heat resistance:260±5℃,10±1S restoration of 1 hour	1. MIL-STD-883CMETHOD 2003.7 2. MIL-STD-202F,METHOD 210A
2. HERMETICITY TEST	UL-306S	small and do not control roughly (hubble-bubble machine); Nothing air bubble creation s thin leave out 1 * 10 E-8 ATM.CC/SEC.	MIL-STD-883C METHOD 1014.9
3. VIBRATION TEST	HG-V4、S&A 250B	Enable Crystal(10g) from 10-55-10Hz,X、 Y、 Z horizontal,1 Minute vibration/time, 1time/ 2 hours.	JIS C5025 TEST A MIL-STD-883C,METHOD 2007.2
4. MECHANICAL SHOCK	HPC-200、S&A 250B	Enable Crystal 50G(490m/s ²) time=11 ms speed=3.4 m/s half sine wave oscillation	JIS C5026 MIL-STD-883C,METHOD 2002
5. DROP TEST	HARD BOARD.S&A250B	75CM HIGH,3 TIMES ON HARD BOARD	JIS C6701
6. SALT SPRAY	H-SST-60、 RC-328A	5% NaCL,35 ℃ ±2 ℃ CHAMBER,48 hrs. , PH:6.5~7.2	JIS C5028 & MIL-STD-202F\METHOD 101D
7. HIGH&LOW TEMP STORAGE TEST	H-PTH-80CK & HM101-3ABN, S&A 350B/250B	High temperature: 125℃±2℃,1000hr; Low temperature:-40℃±3℃,1000hrs	MIL-STD-883C,METHOD 1011.8& JIS C5030
8.TEMP &HUM CYCLING TEST	H-PTH-80CK CHAMBER, S&A 350B/250B	Temperature:-10 ℃ ±2 ℃ ~ 65 ℃ ±2 ℃ ,Humidity:93±3%,1 cycle need 24 hrs. 5cycles.	MIL-STD-883C,METHOD 1010.7
9. HIGH TEM. & HUM. STORAGE TEST	H-PTH-80CK CHAMBER, S&A350B/250B	temperature:40 ℃ ±2 , Humidity:85+3,-2%,Store 96 hrs	JIS C5023
10. AGING TEST	H-PTH-80CK CHAMBER, S&A350B/250	temperature: 85℃±2, 1000hrs	JIS C5031

Add: Room 4029,Dongbian Business Building, Mizhi Avenue, Baoan district, Shenzhen, China 518131
 TEL:0755-33079336 FAX:0755-33079337
 E-mail: hsc@haosenxtal.com URL: [Http://www.haosenxtal.com](http://www.haosenxtal.com)