

Honhever (HK) Ltd.

ITEM:		QUA	RTZ CRYSTAL			
TYI	PE:	•	DT-26			
NO	MINAL FREQUE	NCY:	32.768kHz			
SPI	EC No.					
			Please acknowledge receipt signing and returning a copy			
		RECE	IPT			
	DATE					
	RECEIVED		(signature) (name)			

General Manufacturer of Quartz Devices

DAISHINKU CORP.

1389 Shinzaike, Hiraoka-cho, Kakogawa, Hyogo 675-0194 Japan Phone (81)79-425-3141 Fax(81)79-425-1134 http://www.kds.info/english.html

C.ENG.			

ENG.

1. ELECTRICAL CHARACTERISTICS (measured at +25deg.C+/-2deg.C)

1-1 NOMINAL FREQUENCY 32.768 kHz

1-2 FREQUENCY TOLERANCE +/- 20 ppm Max.

1-3 LOADING CAPACITANCE 6 pF

1-4 EQUIVALENT RESISTANCE 40 kohm Max. / Series

1-5 MEASUREMENT DRIVE LEVEL 1.0 +/- 0.2uW

1-6 TURNOVER TEMPERATURE 25deg.C +/- 5deg.C

1-7 PARABOLIC CURVATURE CONSTANT - 0.04 ppm/deg.C² Max

Lead to Lead

1-8 INSULATION RESISTANCE 500 Mohm Min. at D.C. 100V

Lead to Case

1-9 OPERATING TEMP. RANGE - 10 deg.C to + 60 deg.C

1-10 STORAGE TEMP. RANGE - 20 deg.C to + 70 deg.C

1-11 AGING +/- 5 ppm Max./ year

2. CONSTRUCTION

2-1 HOLDER DT-26

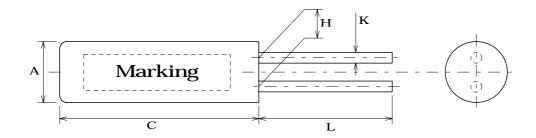
2-2 DIMENSIONS AND MARKING Refer to Fig-1 and Fig-2.

3. OTHER SPECIFICATIONS

Environmental and mechanical endurance shall be specified by attached general specifications.

TITLE DT-26 TYPE QUARTZ CRYSTAL SPECIFICATION	Trigonometry	Unit MM	Scale
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Dimensions



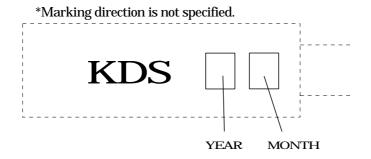
A	С	Н	K	L
dia.2.1 Max.	6.0 Max.	0.7+/-0.2	dia.0.28+/-0.05	5.0 Min.

(UNIT:mm)

Fig-1

Marking

The manufacturer's code and manufacturing date should be marked on the surface of the holder as the following diagram shows.



(*) YEAR : The last digit of the manufactured year EX) 2006 shall be marked as "6" MONTH : As shown in the Table EX) Sep. shall be marked as "J"

MONTH	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
SYMBOL	A	В	С	D	E	F	G	Н	J	K	L	M

Fig-2

TITLE DT-26 TYPE QUARTZ CRYSTAL SPECIFICATION	Trigonometry	Unit MM	Scale
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1.Mechanical Endurance

Item	Standard	Condition			
Vibration Resistance	f ₀ :+/-3 ppm max.	(1)Vibration 30 to 120Hz (2)Cycle 2 min (3)G Force 3G (4)Time 20 min X,Y,Z Each Direction.			
Shock Resistance	f ₀ :+/-3 ppm max.	Free drops from 75 cm high onto a wooden board (3 cm thickness) Repeat 3 times. Measure 5 min after the test.			
Hermetical Sealing	1*10-9 Pa-m ³ /s max.	Testing by Helium leak detector.			
Terminal Strength	No visual damage	Bending terminals at +90deg., at -90deg., at +90deg., and finally unbending at 0deg. 1 mm from the bottom of case. One bend is counted as one time, it can be endured up to three times.			
Soldering Heat Resistance	f ₀ :+/-3 ppm max.	Dipping terminals to 1 mm from the bottom of product into the solder pot at +245deg.C +5/-5deg.C for 3s. Measuring 1h after the test at +25deg.C.			
Solder ability	90 % min.	Terminals solder ability is at a bath temperature of +245deg.C+5/-5deg.C for 3s. (with flux)			

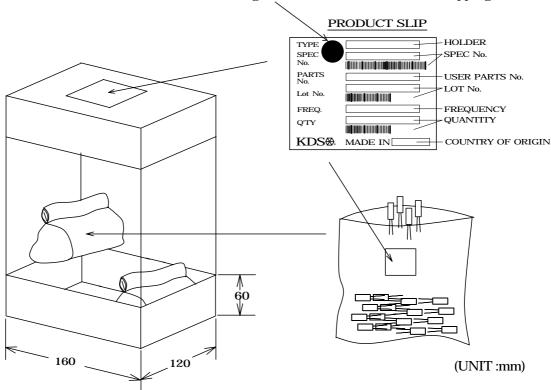
2. Environmental Endurance

Item	Standard	Condition
High Temp.	f ₀ :+/-3 ppm	+70deg.C*24h
Storage	max.	Measuring 2h after the test at +25deg.C.
Low Temp.	f ₀ :+/-3 ppm	-30deg.C*24h
Storage	max.	Measuring 2h after the test at +25deg.C.
Moisture	f ₀ :+/-3 ppm	+40deg.C*24h in 90 % relative humidity.
Storage	max.	Measuring 2h after the test at +25deg.C.

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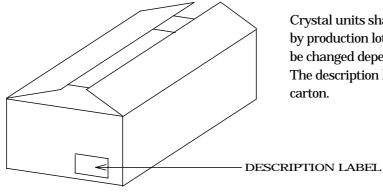
(INNER BOX)

A green dot is marked onto the shipping label.



2000 units per plastic bag. 5 plastic bags in an inner box. A product slip is attached on the inner box. (As for odd unit, shall be packed in a plastic bag.)





Crystal units shall be packed in inner box by production lot. Outer carton size would be changed depending on lot size. The description label shall be put on outer carton.

TITLE
DT-26 TYPE QUARTZ CRYSTAL SPECIFICATION

Date

Drawing No.

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