



## QUARTZ CRYSTAL UNIT

Holder code *D & E*, TUNING FORK WATCH CRYSTAL

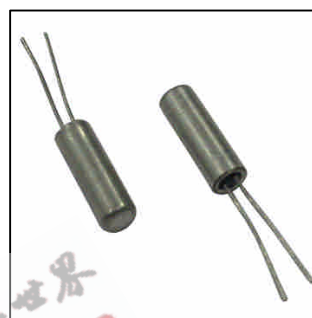


### FEATURE

- Wide Frequency range
- High shock tolerance
- Small size
- Reliable frequency stability
- Lead Free & RoHS Compliant

### APPLICATIONS

- Microprocessor Systems
- Consumer Electronics
- Instrumentation
- Automotive electronics

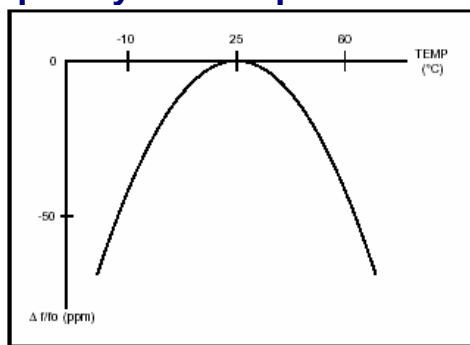


### ELECTRICAL SPECIFICATIONS

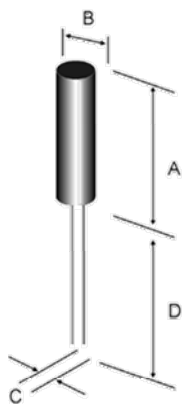
Frequency	30.000KHz ~ 350.00KHz
Frequency Tolerance (at 25°C)	±20ppm ~ ±100ppm
	32KHz-40KHz: 40Kohm Max
	40KHz-60KHz: 30Kohm Max
	60KHz-70KHz: 25Kohm Max
	70KHz-200KHz: 22Kohm Max
	200KHz-350KHz: 20Kohm Max
Turnover Temperature	25 ± 5°C
Frequency Temperature Curve	-0.034(±0.006)ppm/°C <sup>2</sup>
Storage Temperature Range	-55 °C to +125 °C
Operable Temperature Range	-10 °C to + 60 °C, -20 °C to + 70 °C
Shunt Capacitance (C0)	2.0pF Typ
Dynamic Capacitance (C1)	4.0pF Typ
Driver Level (Typical)	1 µW Max
Load Capacitance(C <sub>L</sub> )	6.0pF ~ 12.5pF, or specify
Aging @25°C 1 <sup>st</sup> year (Max)	±3ppm/year

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

## Frequency VS Temperature Curve



## PACKING AND DIMENSIONS



See table 1

MODEL	A	B	C	D	E
2×6mm	6.3	1.95	0.7	7.0	0.2
3×8mm	8.3	3.1	1.1	10.0	0.3

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# DB LECTRO<sup>U</sup><sub>Z</sub>

## CRYSTAL PART NUMBER SYSTEM

HOLDER DESCRIPTION	CODE
2X6	E
3X8	D

PART NUMBER EXPLANATION - HOW TO ORDER		
D3A5795-17305EFB-G	3,5795MHZ 17PF 30PPM/50PPM FUNDAMENTAL BULK (ROHS COMPLIANT)	
D	DB LECTRO Inc.	
3A5795	FIRST FIVE NUMBERS OF THE FREQUENCY WITH HOLDER CODE AT DECIMAL POINT	
-	"." REGULAR PACKAGE "I" ISOLATED WITH WASHER "V" VINYL SLEEVE "C" CUT LEAD "T" THIRD LEG GROUND	
17	LOAD CAPACITANCE (17PF)	
30	FREQUENCY TOLERANCE (30PPM)	
5	FREQUENCY STABILITY AT OPERATING TEMPERATURE:	
E	OPERATING TEMPERATURE RANGE "E" EXTENDED TEMP. -40°C+85°C "Blank" TYPICAL TEMP. -20°C+70°C "A" STANDARD TEMP. -10°C+60°C	0=5PPM 1=10PPM 2=20PPM 3=30PPM 5=50PPM (TYPICAL) 6=100PPM
F	"F" FUNDAMENTAL "T" THIRD OVERTONE "5" FIFTH OVERTONE "7" SEVENTH OVERTONE	
B	"B" BULK "T" TAPE / REEL "G" TAPE / REEL / GULLWING "C" TAPE / REEL / CRIMPED LEADS	
G	ROHS COMPLIANT	