



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

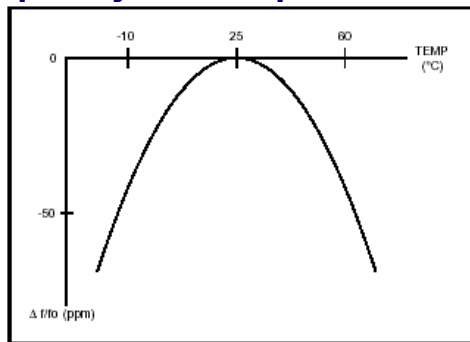


ELECTRICAL SPECIFICATIONS

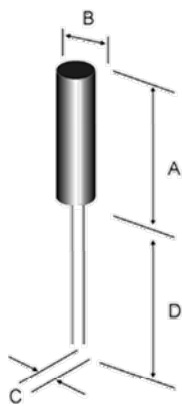
| | |
|--|--------------------------------------|
| Frequency | 30.000KHz ~ 350.00KHz |
| Frequency Tolerance (at 25°C) | ±20ppm ~ ±100ppm |
| | 32KHz-40KHz: 40Kohm Max |
| | 40KHz-60KHz: 30Kohm Max |
| | 60KHz-70KHz: 25Kohm Max |
| | 70KHz-200KHz: 22Kohm Max |
| | 200KHz-350KHz: 20Kohm Max |
| Turnover Temperature | 25 ± 5°C |
| Frequency Temperature Curve | -0.034(±0.006)ppm/°C ² |
| 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 _L) | 6.0pF ~ 12.5pF, or specify |
| Aging @25°C 1 st 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 |



DB LECTRO^U_Z

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 |
| 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 |

0=5PPM
1=10PPM
2=20PPM
3=30PPM
5=50PPM (TYPICAL)
6=100PPM