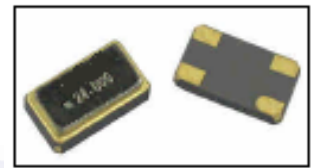


## Quartz Crystal

*Holder Code Z, SEAM SEALED CERAMIC 4.0 X 2.5mm Surface Mount Package*

### FEATURE

- Ultra thin, thickness 1.0mm
- Leadless type
- High precision characteristic covering up to high frequency range
- Automatic mounting
- Embossed tapping specification
- Suitable for Reflow soldering
- Lead Free and RoHS Compliant



### ELECTRICAL SPECIFICATIONS

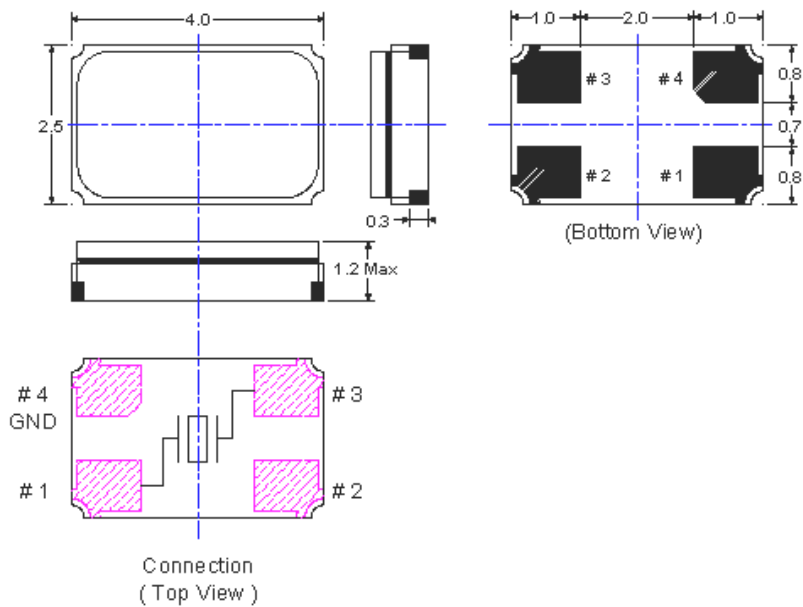
Output Frequency Range	10.000 MHz to 40.000 MHz
Mode	See Table 1*
Frequency Tolerance (at 25°C)	±10ppm ~ ±50ppm, or specify
Frequency Stability Over Operating Temperature Characteristics	-10°C ~ +60°C ±10ppm, -20°C ~ +70°C ±20ppm or specify
Storage Temperature Range	-55 °C to +125 °C
Operable Temperature Range	-40 °C to + 85 °C
Shunt Capacitance (C <sub>0</sub> )	5.0 pF Max
Driver Level (Typical)	10µW~100µW
Load Capacitance(C <sub>L</sub> )	Series, 16pF, 20pF, 30pF, 32pF, or specify
Equivalent Series Resistance ESR	See Table 1*
Aging @25°C 1 <sup>st</sup> year (Max)	±3ppm/year
Insulation Resistance	More than 500 MΩ at DC 100V
Shock Resistance	Drop test of 3 times on 2mm stainless plate from 75cm height

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

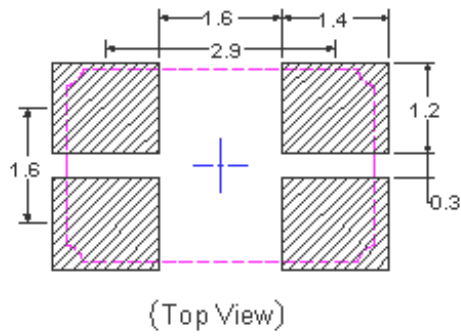
### Frequency and Equivalent Series Resistant

Frequency Range	E.S.R. (Ω)	Mode
10.000 MHz ~ 16.000 MHz	60 Max	Fundamental / AT
16.000 MHz ~ 20.000 MHz	50 Max	Fundamental / AT
20.000 MHz ~ 40.000 MHz	40 Max	Fundamental / AT

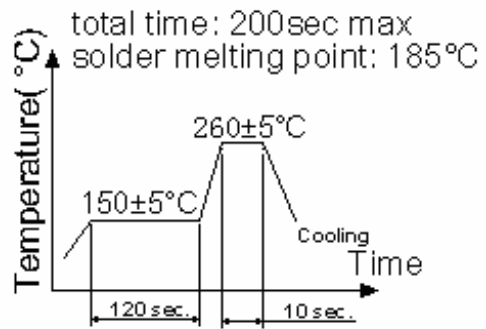
## Dimension



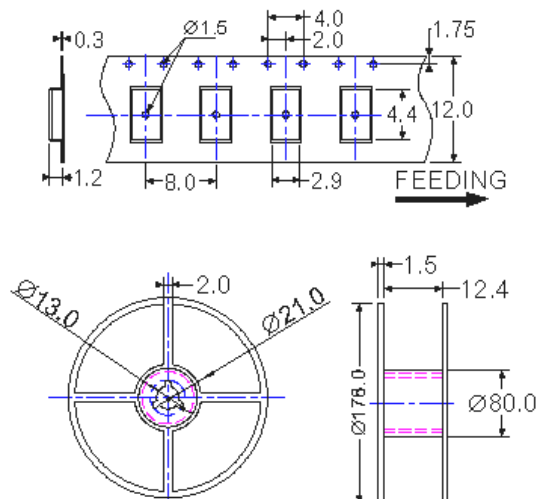
## Reference Land Pattern



## Reflow Condition



## PACKING



## CRYSTAL PART NUMBER SYSTEM

HOLDER DESCRIPTION	CODE
CERAMIC 4.0X2.5mm SMT	Z

PART NUMBER EXPLANATION - HOW TO ORDER		
D3Z5795-17305EFB-G	3,5795MHZ 17PF 30PPM/50PPM FUNDAMENTAL BULK (ROHS COMPLIANT)	
D	DB LECTRO Inc.	
3Z5795	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	