

## QUARTZ CRYSTALS

### MINIATURE CYLINDER

QUARTZ CRYSTALS

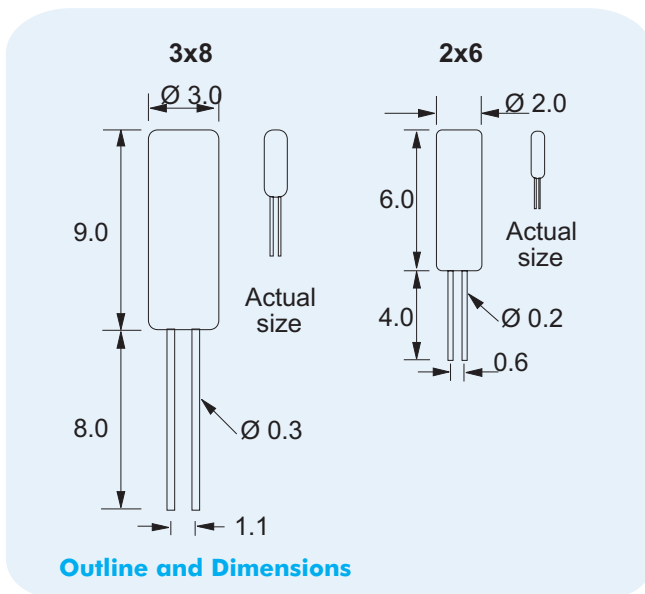
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## General Specification

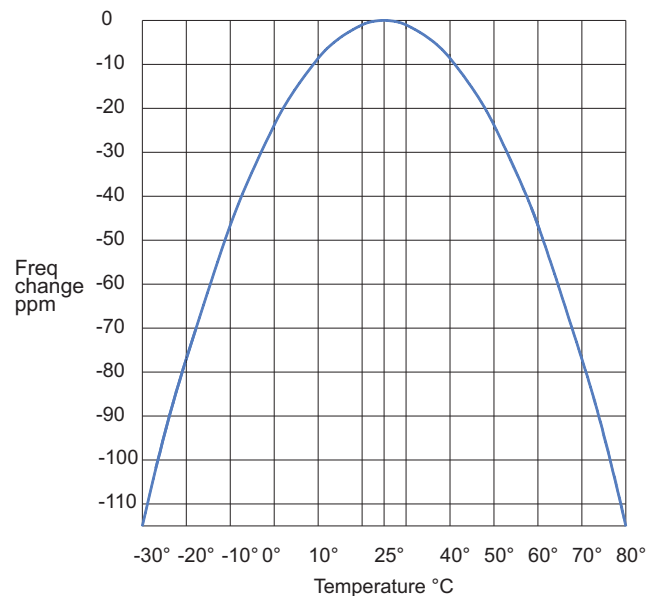
<b>Frequency Range:</b>	16.0kHz to 150.0kHz
<b>Frequency adjustment at 25°C:</b>	±50ppm
<b>Frequency Stability over Temp.:</b>	see temp/freq. stability curve
<b>Load Capacitance:</b>	12.5pF (Other CL on request)
<b>Ageing:</b>	±3ppm max 1st year ±1ppm max per year after
<b>Drive level:</b>	1.0µW max
<b>Static capacitance:</b>	1.7pF typical
<b>Holder:</b>	Compression press fit

## Frequency v. ESR v. Operating Mode

Frequency Range	ESR Ω	Operating Mode
16.0kHz to 20.0kHz	60k max	Fundamental
20.480kHz to 28.0kHz	50k max	Fundamental
29.6kHz to 31.50kHz	40k max	Fundamental
32.0kHz to 150.0kHz	35k max	Fundamental



## X.T. cut crystal, typical frequency change v. temperature curves



## Custom crystal service

Euroquartz manufacture 3x8 and 2x6 crystals, at competitive prices. The crystals can be made to your design, just specify the frequency (any value to six decimal places within the frequency range), stability, temperature range any other electrical parameters if these are important to your design. It is possible to specify the motional parameters  $C_1, L_1, ESR$ , as well as maximum values of  $C_0$ . Euroquartz engineers can make by software any prospective crystal design and advise immediately on suitability for production.

## Data sheets

Detailed data sheets are available for any stock crystal, and for custom designed crystals upon request.

## To order

Either quote stock number or specify the required parameters for a custom made part.

To assist ordering or reordering a unique part number will be allocated for customer designs.