



### Scope

This specification applies to the RoHS/SONY compliance quartz crystal unit with a frequency of 25.000MHz which will be used in crystal oscillator applications.

3.2\*2.5\*0.8mm



### Frequency Parameters

■ Nominal Frequency (f) :	25.000000MHz
■ Load Capacitance (CL) :	18pF
■ Frequency Tolerance ( $\Delta f/f$ ) :	$\pm 10$ ppm
■ Frequency Temperature Stability:	$\pm 30$ ppm
■ Resonance Resistance (ohm) :	60ohms Max
■ Osc mode:	Fundamental mode
■ Shunt Capacitance (C0) :	<2pF
■ Drive Level (DL) :	< 100 $\mu$ W
■ Operating Temperature Range (TOPR) :	-40 to + 85° C
■ Storage Temperature Range (TSTG) :	-55 to + 125° C
■ Insulation Resistance (IR) :	>500 M ohms
■ Aging ( $\Delta f_A$ ) :	$\pm 3$ ppm per Year

### Reliability Specifications

This is the quality control and quality assurance and reliability tests performance data for the RoHS/SONY compliance

25.000MHz SMCE3225 4pads crystal resonators (P/N.:GM25000181T) related to the specification and approval sheet provided.

#### 4. Reliability Specifications

Standard test condition (TEMP.:  $20 \pm 5^\circ$  C. Relative humidity:  $65 \pm 20\%$ )

For any discrepancy in GO/NG, test will be done at TEMP.  $25 \pm 2^\circ$  C, R.H.  $65 \pm 5\%$ .

#### EXTERNAL DIMENSIONS

