

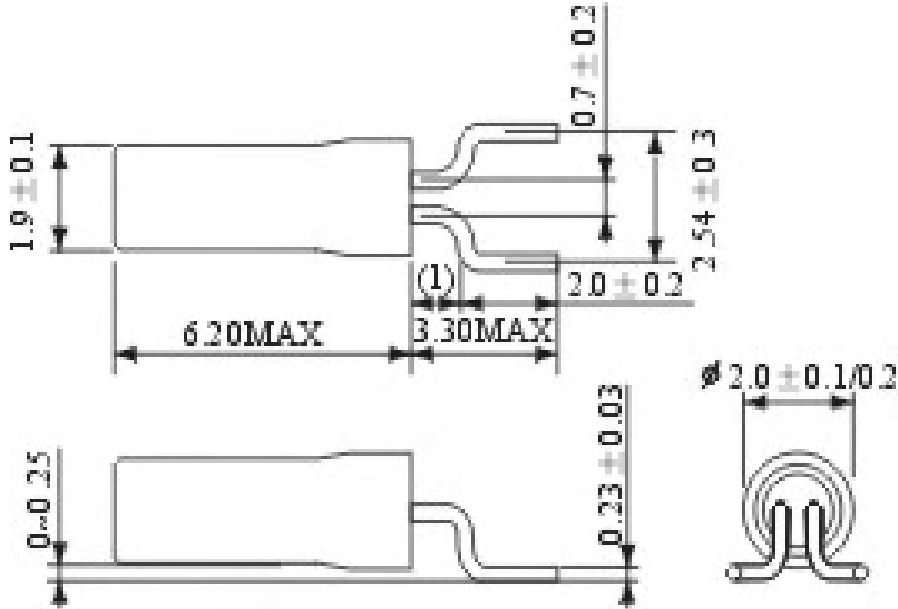


## ELECTRICAL SPECIFICATIONS

Hold Type: ZMR-206

Parameter	Symb	Value	Condition
Frequency Range	F <sub>0</sub>	<b>100.0Khz</b>	
Frequency Tolerance	$\Delta f/f_0$	<b>±20PPM</b>	At 25°C
Frequency vs. Temperature Characteristics	$\Delta f/f_0$	<b>±20PPM</b>	-10°C – 60°C
Temperature coefficient	$\beta$	<b>-0.034 ± 0.006 ppm/(°C)<sup>2</sup></b>	
Turnover temperature	T <sub>m</sub>	<b>25 ± 5°C</b>	
Operating Temperature Range	T <sub>OPR</sub>	<b>-40°C to 85°C</b>	
Storage Temperature Range	T <sub>STG</sub>	<b>-55°C to 125°C</b>	
Quality factor		<b>60,000TYP</b>	
Series resistance	R <sub>i</sub>	<b>30K Ω</b>	At 25°C
Shunt Capacitance	C <sub>0</sub>	<b>1.5PF TYP 2.0pF</b>	
Motional Capacitance	C <sub>1</sub>	<b>0.0030TYP</b>	
Load Capacitance	C <sub>L</sub>	<b>12.5PF</b>	Please specify
Insulator Resistance	IR	<b>500 M Ω</b>	DC100V ± 15V
Drive Level	DL	<b>1 μ W</b>	
Capacitance ratio	r	<b>450TYP</b>	
Aging(First year)	$\Delta f/f_0$	<b>±5PPM</b>	25°C ± 3°C
Sealing		<b>1×10<sup>-2</sup>uPa·m<sup>3</sup>/s MAX</b>	
Shock resistance		<b>±5PPM MAX Drop test of 3 times on hard board from 75cm height or shock test of 3000G×0.3ms×<sup>1</sup>/<sub>2</sub>sin wave×3 directions</b>	

### DIMENSIONS AND PACKING



2000PCS/REEL

