

### FEATURE

- Wide Frequency range
- Small size
- Tape & Reel
- Designed for Microprocessor Systems and Consumer Electronics



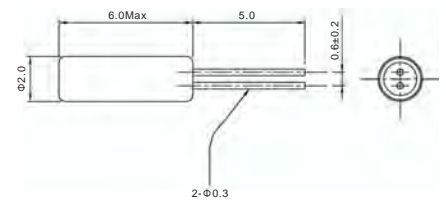
### ELECTRICAL SPECIFICATIONS

Frequency	25.000KHz ~307.200KHz
Frequency Tolerance(at 25°C)	±10ppm to ±100ppm
Temperature Coefficient	-0.04±0.01ppm/°C
Load Capacitance(C <sub>L</sub> )	12.5pF Typical
Equivalent Series Resistance	See Below Table
Turnover Temperature	25±5°C
Operating Temperature Range	-10°C ~ +60°C to -40°C ~ +85°C
Storage Temperature Range	-40°C ~ +85°C
Shunt Capacitance(C <sub>0</sub> )	1.5pF Typical
Drive Level(Typical)	1 μW Max
Insulation Resistance	500MΩ Min at DC100V±15V
Aging @25°C 1 <sup>st</sup> year (Max)	±5ppm/year

### EQUIVALENT SERIES RESISTANCE(ESR)

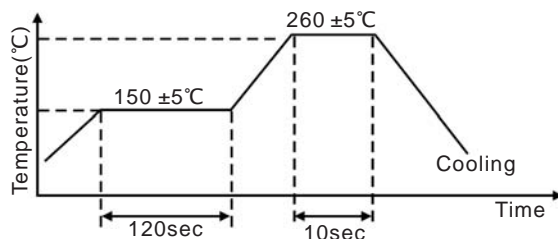
Frequency(KHz)	E.S.R(Ω)	Frequency(KHz)	E.S.R(Ω)
25.000~39.999	50K Max	60.000~69.999	40K Max
40.000~59.999	45K Max	70.000~307.200	35K Max

### DIMENSIONS



### REFLOW SOLDERING PROFILE

Total time: 200 sec Max  
Solder melting point: 185°C



### Frequency Stability Over Operating Temperature Range

Temperature Range	Frequency Stability (ppm)		
	±50ppm	±100ppm	±150ppm
0~+50°C	√	√	√
-10~+60°C	√	√	√
-20~+70°C	√	√	√
-40~+85°C			√

### PART NUMBER

TF26- (Tuning Fork 2*6)	<b>32.768</b> Frequency 32.768KHZ	-	<b>12.5</b> Load Capacitance 12.5 pF	-	<b>30</b> Frequency Tolerance ±30ppm	-	<b>50</b> Frequency Stability ±50ppm	-	<b>A</b> Operating Temperature Range A:-20~70°C B:-10~60°C E:-40~85°C
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