



**FEATURES**

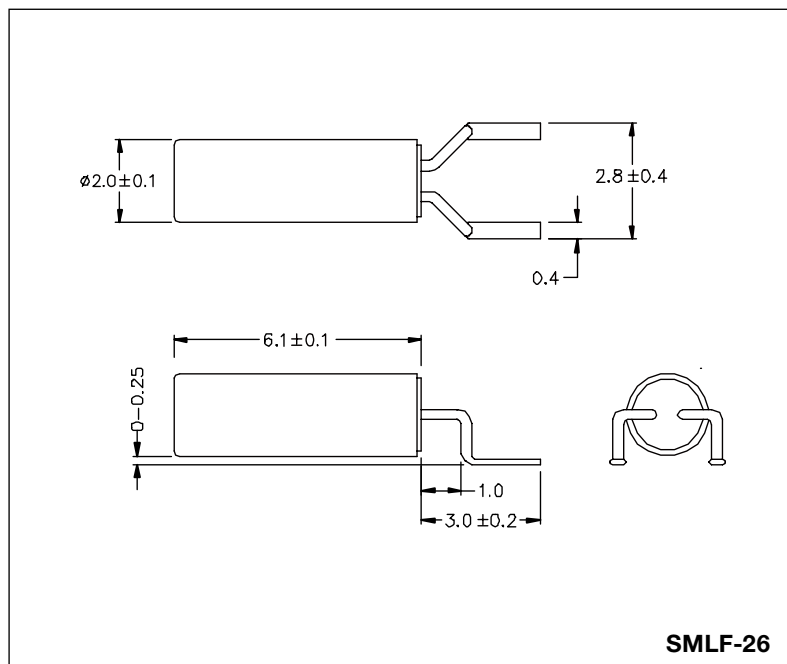
- Small Size
- Surface Mount
- Pick and Place Assembly



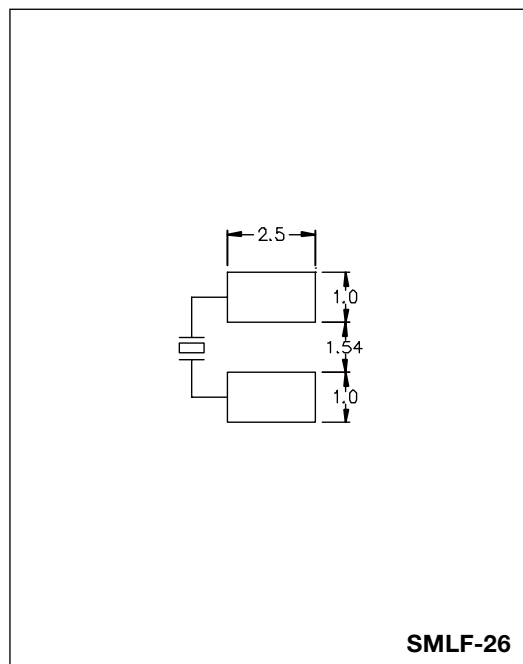
| Parameters                                |                  | Specifications                                    |
|-------------------------------------------|------------------|---------------------------------------------------|
| Nominal Frequency 標稱頻率                    | $f_0$            | Standard : 32.768KHz<br>Optional : 30KHz ~ 200KHz |
| Frequency Tolerance, Ta=25°C ± 3°C 常溫頻率偏差 | $\Delta f/f$     | ±20ppm                                            |
| Load Capacitance 負載電容                     | $C_L$            | 12.5pF or customer specify                        |
| Temperature Coefficient 溫度系數              | $\Delta f/f$     | -0.034±0.006ppm/°C <sup>2</sup>                   |
| Operating Temperature Range 工作溫度範圍        | T <sub>OPR</sub> | -20°C ~ +70°C                                     |
| Storage Temperature Range 儲存溫度範圍          | T <sub>STG</sub> | -55°C ~ +125°C                                    |
| Drive Level 激勵功率                          | DL               | 0.001mW Max.                                      |
| Series Resistance (ESR) 串聯諧振阻抗            | R <sub>1</sub>   | 50KΩ Max.                                         |
| Insulation Resistance 絕緣阻抗                | IR               | 500MΩ Min.                                        |
| Aging 老化率                                 | $\Delta f_A$     | ±5ppm/Year Max.                                   |

Please consult our sales representatives for other specifications.  
如對其他規格查詢，請與我司銷售人員聯繫

**DIMENSION (mm)**



**SOLDERING PATTERN (mm)**



**Handling instructions.**

- 1 Soldering on the body of the enclosure should be strictly avoided as it might damage the crystal.  
Rubber adhesive is recommended to hold the crystal on the PCB.  
直接焊接於晶體外殼上可引致內部結構受損。如需固定晶體外殼，建議使用工業橡膠。
- 2 Maximum reflow soldering temperature at +235°C for 5 seconds.  
迴流焊最高溫度為 +235°C，維持不多於 5 秒。

All specifications are subject to change without prior notice.  
本公司保留修改規格的權利。

