



## SMCM-2016H



### FEATURES

- Ceramic epoxy sealed SMD package
- Ultra-light weight and ultra-miniature size
- Wide frequency range
- Best cost-performance option
- RoHS Compliant and Pb Free

### Electrical Specifications

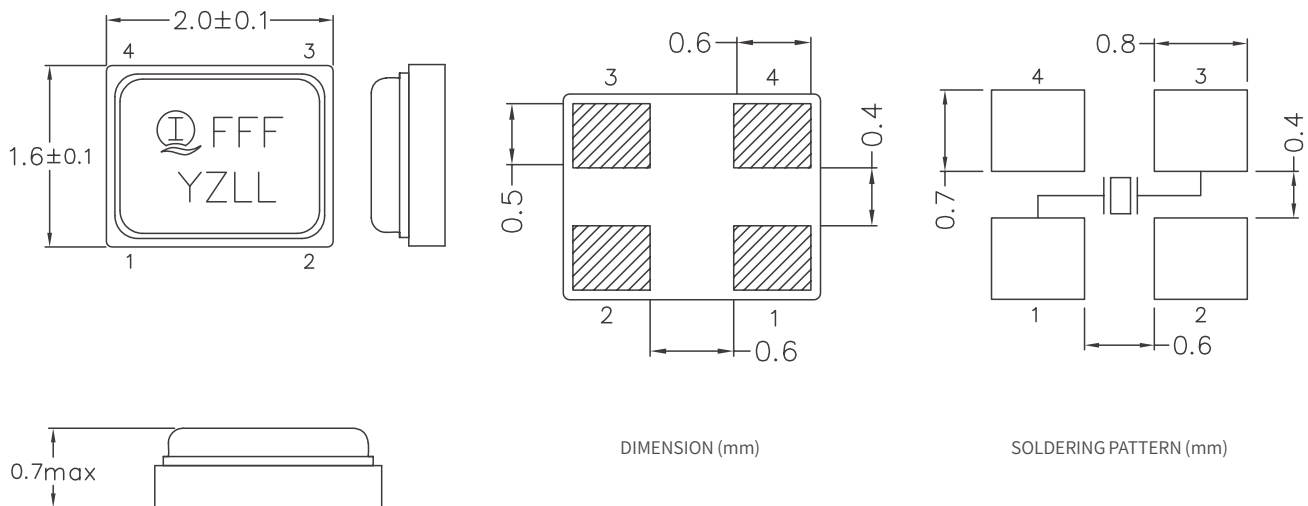
| Parameters   | Symbol           | Specifications   |
|--|------------------|--|
| Nominal Frequency Range 标称频率范围   | $f_0$            | 16.0MHz ~ 54.0MHz  |
| Frequency Tolerance, $T_a=25^\circ\text{C} \pm 3^\circ\text{C}$ 常温频率偏差 | $\Delta f/f$     | $\pm 10\text{ppm}$ , $\pm 20\text{ppm}$  |
| Load Capacitance 负载电容  | $C_L$            | 6pF to 12pF or specify   |
| Frequency Tolerance over Operating Temperature Range 频率温度特性            | $\Delta f/f$     | $\pm 20\text{ppm}$ , $\pm 30\text{ppm}$ or specify   |
| Operating Temperature Range 工作温度                                       | $T_{\text{OPR}}$ | $-20^\circ\text{C} \sim +70^\circ\text{C}$ , $-20^\circ\text{C} \sim +85^\circ\text{C}$ or specify |
| Storage Temperature Range 储存温度   | $T_{\text{STG}}$ | $-55^\circ\text{C} \sim +125^\circ\text{C}$  |
| Drive Level 激励功率   | DL               | 50 $\mu\text{W}$ Typ.  |
| Shunt Capacitance 静态电容   | $C_0$            | 2pF Max.   |
| Insulation Resistance 绝缘电阻   | IR               | 500M $\Omega$ Min.   |
| Aging 老化率  | $\Delta f_A$     | $\pm 5\text{ppm/Year}$ Max.  |

### Equivalent Series Resistance (ESR) 串联谐振阻抗

| Frequency Range | $16 < f_0 \leq 20$ | $20 < f_0 \leq 23$ | $23 < f_0 \leq 32$ | $32 < f_0 \leq 54$ |
|-----------------|--------------------|--------------------|--------------------|--------------------|
| ESR             | 250 $\Omega$ Max.  | 150 $\Omega$ Max.  | 100 $\Omega$ Max.  | 80 $\Omega$ Max.   |

Please consult our sales representatives for other specifications. 如对其他规格查询, 请与我司销售人员联系。

### Dimensions



All specifications are subject to change without prior notice. 本公司保留修改规格的权利。