

# CERAMIC BASE METAL COVER QUARTZ CRYSTAL RESONATORS (SMD)

表貼陶瓷底座金屬蓋石英晶體諧振器

**SMCM-2016H**

**5NMA series**



## FEATURES

Ceramic epoxy sealed SMD package  
Ultra-light weight and ultra-miniature size  
Wide frequency range  
Suitable for mobile phone, wifi, bluetooth, etc.  
Best cost-performance option

Reach Compliant and RoHS Compliant

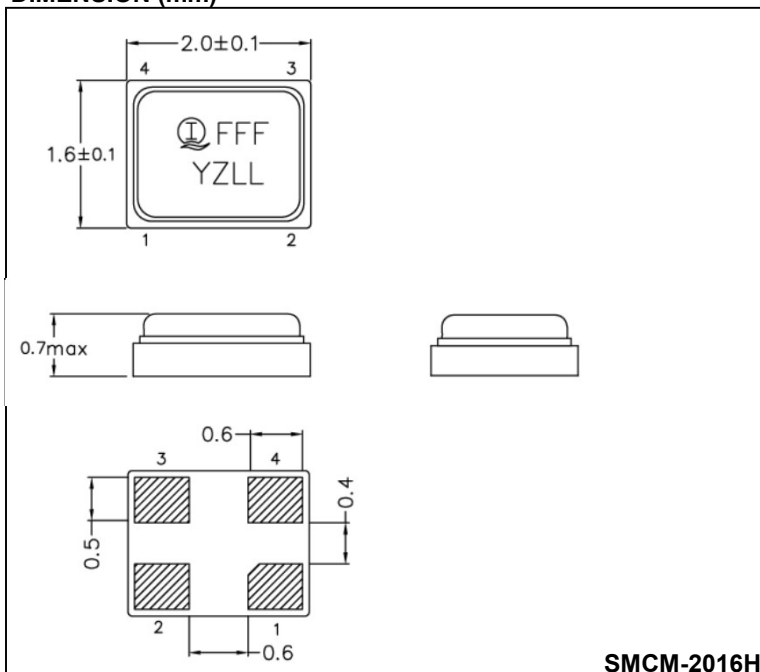
Parameters		Specifications
Nominal Frequency Range 標稱頻率範圍	$f_0$	24.0MHz ~ 48.0MHz
Frequency Tolerance, $T_a=25^\circ\text{C} \pm 3^\circ\text{C}$ 常溫頻率偏差	$\Delta f/f$	$\pm 10\text{ppm}, \pm 20\text{ppm}$
Load Capacitance 負載電容	$C_L$	6pF to 12pF or specified
Frequency Tolerance over Operating Temperature Range with refer to $25^\circ\text{C}$ 相對於常溫的頻率溫度特性	$\Delta f/f$	$\pm 10\text{ppm}, \pm 20\text{ppm}$
Operating Temperature Range 工作溫度	$T_{\text{OPR}}$	$-10^\circ\text{C} \sim +70^\circ\text{C}, -20^\circ\text{C} \sim +85^\circ\text{C}$ or specified
Storage Temperature Range 儲存溫度	$T_{\text{STG}}$	$-55^\circ\text{C} \sim +125^\circ\text{C}$
Drive Level 激勵功率	DL	50 $\mu\text{W}$ Typ.
Shunt Capacitance 靜態電容	$C_0$	2pF Max.
Insulation Resistance 絕緣電阻	IR	500M $\Omega$ Min.
Aging 老化率	$\Delta f_A$	$\pm 5\text{ppm}/\text{Year}$ Max.

SERIES RESISTANCE (ESR) 串聯諧振阻抗		
Frequency Range	$24 < f_0 \leq 30$	$30 < f_0 \leq 48$
ESR	150 $\Omega$ Max.	100 $\Omega$ Max.

Please consult our sales representatives for other specifications.

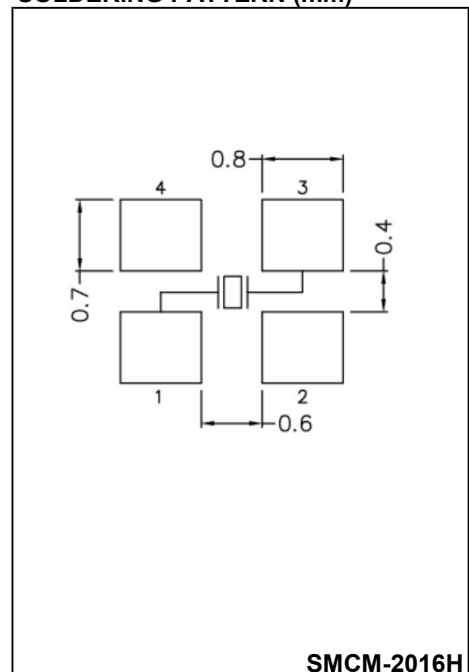
如對其他規格查詢，請與我司銷售人員聯繫

## DIMENSION (mm)



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## SOLDERING PATTERN (mm)



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All specifications are subject to change without prior notice.

本公司保留修改規格的權利。



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