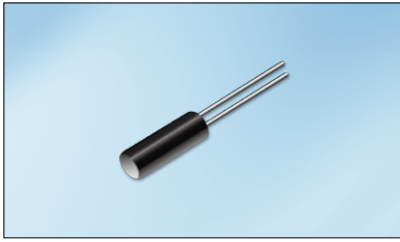


M206 M308
M309 M310

AT-CUT QUARTZ CRYSTAL RESONATORS
石英晶體諧振器

High frequency (MHz) crystal resonators



FEATURES

- AT-cut crystal performance
- Ideal for Microprocessor Applications

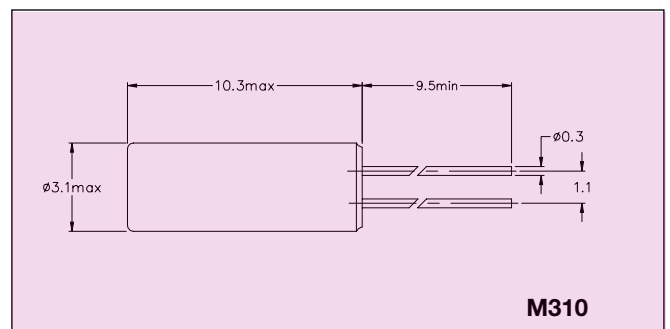
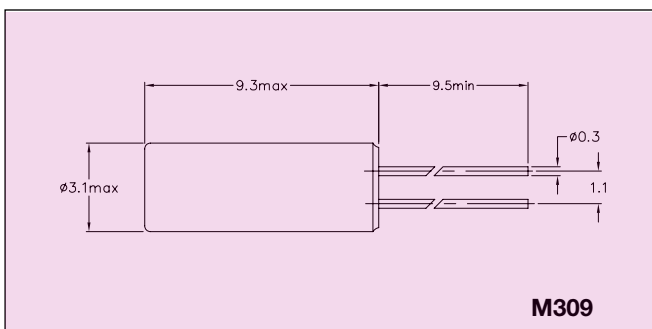
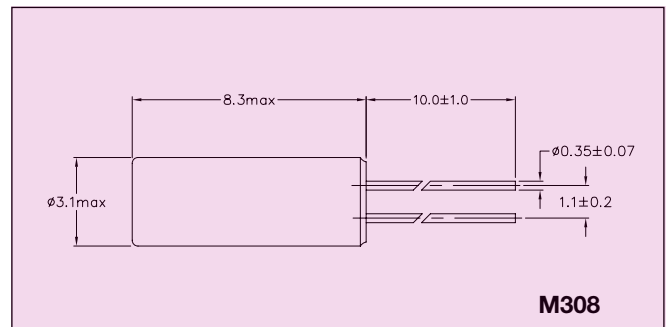
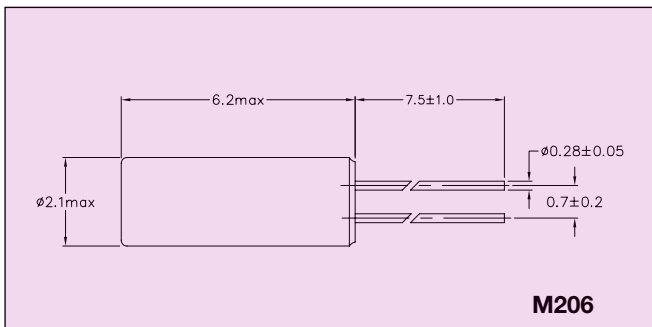


Parameters		M206	M308	M309	M310
Nominal Frequency Range 標稱頻率範圍	f_0	6.0 ~ 48.0MHz	6.0 ~ 48.0MHz	4.0 ~ 6.0MHz	3.579 ~ 4.0MHz
Frequency Tolerance, $T_a=25^\circ\text{C} \pm 3^\circ\text{C}$ 常溫頻率偏差	$\Delta f/f$	$\pm 10\text{ppm}, \pm 30\text{ppm}$			
Load Capacitance 負載電容	C_L	18pF or customer specify			
Frequency Tolerance over Operating Temperature Range with refer to 25°C 相對於常溫的頻率溫度特性	$\Delta f/f$	$\pm 10\text{ppm}, \pm 30\text{ppm}$			
Operating Temperature Range 工作溫度範圍	T_{OPR}	$-20^\circ\text{C} \sim +70^\circ\text{C}, -40^\circ\text{C} \sim +85^\circ\text{C}$			
Storage Temperature Range 儲存溫度範圍	T_{STG}	-55°C to 125°C			
Drive Level 激勵功率	DL	0.1mW (1mW Max.)			
Shunt Capacitance 靜態電容	C_0	7pF Max.			
Insulation Resistance 絕緣電阻	IR	500M Ω Min.			
Aging 老化率	Δf_A	$\pm 5\text{ppm}/\text{Year Max.}$			

SERIES RESISTANCE (ESR) 串聯諧振阻抗					
Frequency Range	$3.579 < f_0 \leq 6$	$6 < f_0 \leq 12$	$12 < f_0 \leq 20$	$20 < f_0 \leq 36$	$36 < f_0 \leq 48$ (3rd overtone)
ESR	150 Ω Max.	100 Ω Max.	70 Ω Max.	50 Ω Max.	80 Ω 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)



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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