



Outline 概要

AT-39 crystal is miniature cylinder high frequency AT cut crystal. In term of volume, it has the smallest footprint of any crystal package.

AT-39 系列產品適用於狹小的電路空間，精度高，抗沖擊性強，老化率低，可用於移動通訊產品。

Electrical Specification 一般規格

Frequency Range	頻率範圍	3.57MHz to 28MHz
Frequency Tolerance(at 25℃)	調整頻差	±50ppm(±30ppm,±20ppm)
Frequency Stability	溫度頻差	±50ppm(±30ppm,±20ppm)
Operating Temperature Range	工作溫度	-20℃ to 70℃
Aging	年老化率	±5ppm(Max.)
Storage Temperature Range	貯存溫度	-30℃ to 80℃
Shunt Capacitance	靜電容	7pF(Max.)
Insulation Resistance	絕緣電阻	500MΩ DC/100V±15V
Drive Level	激勵電平	100 μ W to 500 μ W
Load Capacitance	負載電容	Series Resonance or 10~32pF

Equivalent Series Resistance (ESR) 等效電阻

Frequency Range 頻率範圍	ESR(Ω)max 等效電阻	Mode 振動模式	Frequency Range 頻率範圍	ESR(Ω)max 等效電阻	Mode 振動模式
3.57~3.7MHz	200	Fond	7.0~10.0MHz	80	Fond
3.7~4.0MHz	180	Fond	10~12.0MHz	70	Fond
4.0~4.1MHz	150	Fond	12.0~14.0MHz	60	Fond
4.1~5.0MHz	120	Fond	14.0~16.0MHz	50	Fond
5.0~7.0MHz	100	Fond	16.0~28.0MHz	40	Fond

Dimension (mm) 外觀尺寸

