

MHz RANGE CRYSTAL UNIT

ULTRA MINIATURE SIZE LOW PROFILE SMD



Product Number (please contact us)
X1E000381xxxx00

FA2016AA

NEW

- Nominal frequency range : 16 MHz to 54 MHz
- External dimensions : 2.0 × 1.6 × 0.5 mm
- Overtone order : Fundamental
- Applications : Car accessories,
Automotive camera system,
Body Control, Car Multimedia



Actual size

Specifications (characteristics)

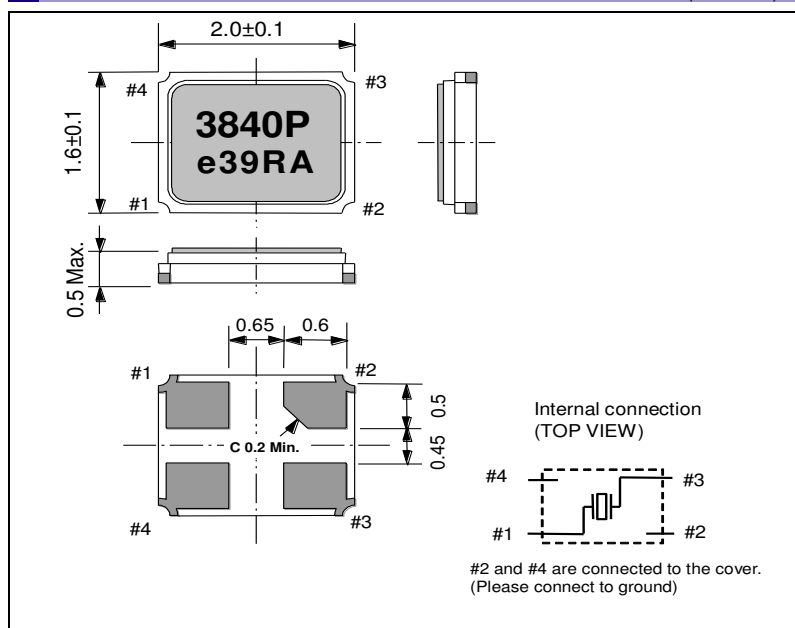
Item	Symbol	Specifications	Conditions / Remarks
		For Automotive	
Nominal frequency range	f_nom	16.000 MHz to 54.000 MHz	Fundamental Please contact us about available frequencies.
Storage temperature range	T_stg	-40 °C to +125 °C	Storage as single product.
Operating temperature range	T_use	-40 °C to +125 °C	
Level of drive	DL	200 μW Max.	Recommended: 1 to 100 μW
Frequency tolerance	f_tol	±10 × 10 ⁻⁶	+25 °C Please contact us for requirements not listed in this specifications.
Frequency versus temperature characteristics	f_tem	±20 × 10 ⁻⁶ / -40 °C to +85 °C ±50 × 10 ⁻⁶ / -40 °C to +125 °C	Please contact us for requirements not listed in this specifications.
Load capacitance	C _L	6 pF to ∞	Please specify.
Motional resistance (ESR)	R ₁	As per table below	-40 °C to +125 °C, DL=100 μW
Frequency aging	f_age	±3 × 10 ⁻⁶ / year Max.	+25 °C, First year

Motional resistance (ESR)

Frequency	Motional resistance
16.0 MHz ≤ f_nom < 18.0 MHz	200 Ω Max.
18.0 MHz ≤ f_nom < 20.0 MHz	150 Ω Max.
20.0 MHz ≤ f_nom < 26.0 MHz	80 Ω Max.
26.0 MHz ≤ f_nom ≤ 50.0 MHz	60 Ω Max.
50.0 MHz < f_nom ≤ 54.0 MHz	40 Ω Max.

External dimensions

(Unit:mm)



Footprint (Recommended)

(Unit:mm)

