

X8L MLCC Series

New Release: AEC-Q200 Automotive Grade Solutions

High-Temperature Performance

Extreme Stability: Reliable performance from -55°C to $+150^{\circ}\text{C}$.

Automotive Certified: Full compliance with *AEC-Q200* standards for critical safety.

Superior Material: Proprietary ceramic technology ensures long-term durability.

Broad Selection: Range extension in 1206 and 1210 sizes for diverse designs.

Capacitance Range Overview

Size (Inch)	Voltage (WVDC)	Capacitance Range
1206	10V / 16V / 25V / 50V 100V	1.2 μF – 4.7 μF 1.0 μF – 2.2 μF
1210	10V / 16V / 25V / 50V 100V	5.6 μF – 10 μF 0.27 μF – 0.47 μF

Key Applications

Designed for the demanding environments of modern vehicles:

- Engine Control Units (ECU)
- ADAS Sensors & Radars
- Electric Vehicle (EV) Powertrains
- Battery Management Systems (BMS)