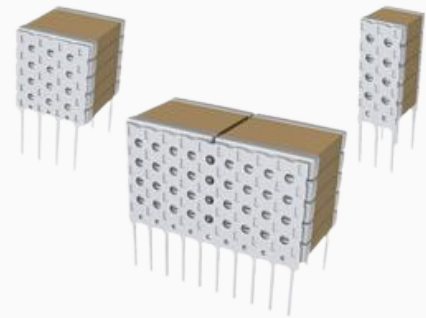


LEAD FRAMES

for Multilayer Ceramic Capacitors

SURON produces custom lead frames for MLCCs, in a variety of sizes and shapes, according to our customers' requirements, by in-house photochemical etching, followed by plating, to provide the perfect electrical connection of the capacitor to the circuitry.



2024



SURON

Precision Solutions

LEAD FRAMES

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SURON Lead Frames for MLCCs Properties

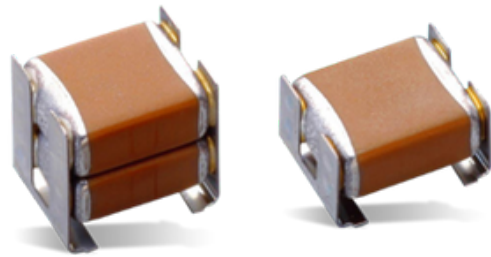
Materials	Cu-ETP, Cu-OFHC, CuBe2, Cu-Fe (C194), Cu-Ni (Alloy 770)
Typical thickness	0.13mm [.005"]

SURON's lead frames for MLCCs are used for long term reliability.

An optimal combination of lead geometrical properties and plating provides perfect electrical connectivity and protection for the ceramic capacitors, both during the SMT assembly and thereafter, for the duration of the operational lifetime.

SURON's photo-etching technology allows for cost effective tooling, and short setup times, and provides lead frames with burr-free edges and no residual stress.

If required, SURON also offers in-house solutions for precision bending, as well as plating.



SURON's Manufacturing Advantages

PCM Technology	Free from burrs and residual stress Half etched areas, upon request Breaking lines - easy lead separation from the strip
Electroplating	Sn, SnPb (electrolytic/hot dip), Ag, Ni/Pd/Au (Selective areas are possible)

SURON's in-house technologies allow us to provide rapid prototyping, scalable manufacturing, and burr-free lead frames

