

Low Inductance MLCC Capacitors for High Speed Processor Circuits

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This paper will cover the technology which is used to manufacture and supply the existing commercial and high reliability devices which have low ESL characteristics (equivalent series inductance) embodied in the LICC (Low inductance ceramic capacitors) and the IDC (InterDigitated Capacitor) specifically targeted at the higher speed processing capabilities needed for newer and more demanding applications.

This product group has been further developed for Military and Space applications with a modified material system, new designs, up to date manufacturing processes and the screening techniques needed to satisfy the Mil specification requirements.

The range of products and the timeline to full QPL will be discussed with insights into the manufacturing operations, process cycle times and future capacity plans for 2020-21.