

Single layer ceramic capacitors (SLCC capacitors) have been manufactured for many years for high frequency microwave applications. The manufacturing of traditional single layer capacitors begins with a fired ceramic substrate with a typical thickness of 0.005". The ceramic substrates use various dielectric formulations, depending on the type of ...

KYOCERA AVX designs, develops, manufactures and markets Multilayer Capacitors, Single Layer Capacitors, Resistive Products, Inductors and Custom Thin Film Products for RF, microwave and millimeter-wave applications. Our products are primarily focused on the wireless communications infrastructure, fiber optic, medical electronics, semiconductor

These ESD-proof, high-performance devices offer a capacitance range of up to 10,000pF with an operating frequency of up to 100GHz. Dielectric Laboratories / Knowles Single-Layer Capacitors are designed for RF, ...

10355-1/17 Di-Cap®; Single Layer Capacitor Description High Performance Single Layer Capacitors for RF, Microwave and Millimeter Wave Applications. 1 Available from 0.03pF to 10,000pF 1 Operating frequency up to 100GHz 1 Wire Bondable 100% Au with a Ni Barrier Layer

Capacitors, Single Layer Capacitors. PPI is a manufacturer and distributor of high-performance RF/Microwave passive components, and serves the Medical, Semiconductor, Military, Broadcast and Telecommunications Industries. +1 ...

Simple single-layer structure combined with fine-grained high-density ceramic, and pure gold electrode provides very reliable performance and excellent frequency characteristics. A wide selection of sizes from very miniature ...

Home > Products > Microvave-FO-RF-Capacitor Links . Presidio's Wire Bondable Buried Single Layer Capacitors Presidio's Advantage Click for Enhanced View/Printable PDF. Presidio's patented thick film technology buries electrodes into the ceramic body (Fig. 1) allowing a 10:1 advantage over a conventional construction (Fig. 2).

High Performance and High Frequency Single Layer Capacitors for RF Microwave and Millimeter-Wave Applications. The Border-Cap is a conventional parallel plate capacitors with recessed metallization on one or both sides. Benefits: Recessed metallization reduces potential of shorting during die attach.

Johanson Single Layer capacitors are offered in a wide range of dielectrics for very high frequency applications. Available in sizes from 0.25 x 0.25mm (10 x 10mil) to 5 x 5mm (200 x 200mil), these single

layer capacitors are used in ...

The new general single layer capacitor is mainly used in microwave integrated circuit, with small size, large capacitance, excellent microwave performance and good solderability. Customized sizes and parameters are available.

One early decision that circuit designers must make is to determine if a single-layer capacitor (SLC) or multi-layer ceramic capacitor (MLCC) is the right fit for their ...

Features: Offered in a wide range of dielectrics for very high frequency applications. Available in sizes from 0.25 x 0.25mm ... Learn more about Single Layer, Microwave Capacitors (SLC)

Antennas Antennas RF Capacitors High-Q Multilayer Ceramic Capacitors LASERtrim™; Capacitors for RF Circuit Tuning Single Layer, Microwave Capacitors (SLC) Ceramic Coaxial Resonators Coaxial Resonators Ceramic RF Inductors RF Ceramic Chip Inductors RF Wirewound Inductors Modules & Substrates Custom LTCC Module Foundry Service Thin Film Patterned ...

Single Layer Capacitor, 1nF capacitance, +/-20% tolerance, operating voltage 200WVDC. Knowles V-Series Single Layer Capacitors utilise Class II dielectric material with X7R characteristics for DC Blocking or RF Bypass applications in a broad frequency range.

These new Single Layer Ceramic Capacitors, with X7R TCC and rated at 25VDC (-55°C thru +125°C), set a new standard for circuit miniaturization. On average, the required board mounting area will be reduced by approximately two-thirds ...

ATC provides component and custom integrated packaging solutions for RF, Microwave and Telecommunications including single layer and multilayer capacitors, assemblies, voltage dividers, resistors, power terminations, resistive products, attenuators, multilayer chip ...

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