

What's New

Catalog Microwave Devices



www.dilabs.com

V Series SLC 10nF

Recently launched by DLI is the V Series, Single Layer Capacitor (SLC). This series was designed to provide higher capacitance in a smaller footprint. The wire bondable range is ideal for power applications where excellent high frequency response is a prerequisite. This, together with the small footprint of just 0.03"/0.77mm square, allow for high density mounting. Excellent in high frequency characteristics compared with general purpose MLCC's, the impedance of this product becomes lower at high frequencies. High capacitance, X7R dielectric temperature stability and gold termination, completes the spec for DC Blocking, RF Bypassing, Filtering, Tuning and Coupling applications. RoHS compliancy is standard.

Couplers >30GHz

DLI's surface mount directional coupler series span the frequency spectrum of C, X and Ku bands. Both 10dB and 20dB coupling values are available within each frequency band both with a common footprint for maximum flexibility. These couplers incorporate DLI's low loss high permittivity ceramics which provide small size and temperature stability. These couplers offer a turnkey surface mount solution for high frequency power monitoring. Custom solutions are also available.

High Frequency (5G) SMD Filters

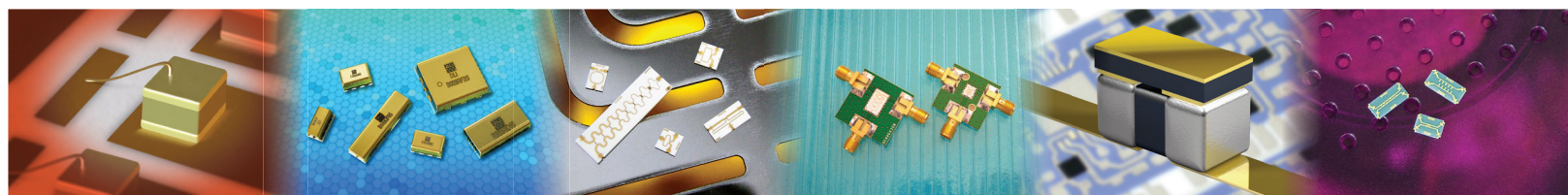
DLI introduces its new high frequency Bandpass, Lowpass and Highpass surface mount filters. DLI's bandpass filters were designed to span the popular 1.22 to 28GHz frequency range. The compact size and surface mount attachment allow for low cost of manufacturing without sacrificing performance and repeatability. Designed for use on PCB 8 to 12 mils thick with a permittivity of 3.0 to 3.8. The Lowpass filters and Highpass filters incorporate DLI's low loss high permittivity ceramics which provide small size and temperature stability. The catalog LPFs are offered in a variety of frequency bands, which offers a drop in solution for high frequency attenuation.

Power Dividers >25GHz

DLI introduces its new high frequency surface mountable and wire bondable Wilkinson Power Dividers. These Power Dividers incorporate DLI's low loss high permittivity ceramics which provide small size and temperature stability along with integrated resistors. The compact size, broadband performance and ease of integration make these power dividers ideal anywhere board space is of a premium and quality signal splitting or combining is required.

Xtreme Series Broadband Blocks

The PX series of Xtreme Broadband Blocking components provide design engineers with high-reliability solutions for DC blocking in a wide variety of applications - semiconductor data communications, receiver optical subassemblies, transimpedance amplifiers and test equipment. Adding to DLI's performance leading Opti-Cap®, which provides DC blocking performance from 16KHz to 40GHz, is the new PX Series. The PX series provides a surface mount, low cost, solution that exhibits ultra broadband performance, extremely low insertion loss, low frequency stability and excellent return loss across a wide bandwidth.



DLI - Advancing the Possibilities in Ceramic Components



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