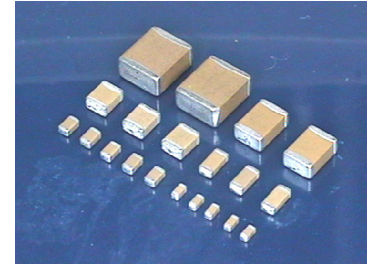




Holy Stone ... an innovation leader in ceramic capacitors!

Multilayer Ceramic Chip Capacitors (MLCC)

LDC Series [Low Distortion Capacitors]



LDC SERIES

Low Distortion Capacitor (NPO/X7R Hybrid)

The **Holystone LDC series** are designed with X7E material which has extremely low capacitance variation over the operating temperature range as opposed to X7R material. LDC exhibits very low ESR and due to the high dielectric constant nature of the material, high capacitance values can be packaged in small size, which makes LDC desirable for SMT Film capacitor replacement.

LDC's are suitable for reflow soldering with Pb free solders up to 260°C and are ROHS compliant. The LDC series are offered in 0603 to 2220 size, 25 and 50 volts and capacitance values up to 270 nF.

◆ Features

- Small Size & High Capacitance
- Ultra Stable T/C for a Class II
- Excellent Bias, High Temperature Stability & Low Tan δ
- High Breakdown Voltage
- Replacement for Film Capacitors
- RoHS compliant

◆ Application

Suitable for Telecommunication (ADSL , Modem...) , Power (Inverter for oscillation Circuit) & Audio Circuit

◆ Summary Specification

Operation Temperature	-55~+125 °C
Capacitance Range	1.0nF to 270nF
Rated Voltage	25Vdc to 50Vdc
Temperature Coefficient	$\leq \pm 4.7\%$, -55~+125 °C (EIA Class II)
Dissipation Factor :	1.2% max. @50V Rated Voltage & 2.0% max. @25V Rated Voltage
Insulation Resistance	10G Ω or 500/C Ω whichever is smaller (C in farad)

Multilayer Ceramic Chip Capacitors

