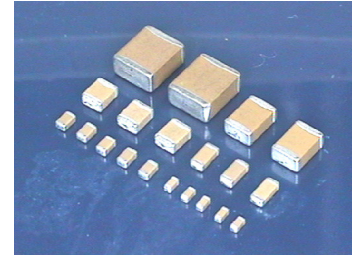




# Holy Stone ... an innovation leader in ceramic capacitors!

## Multilayer Ceramic Chip Capacitor (MLCC)



### HTC Series [ High Temperature Capacitor ]

The HTC series could be work at high temperature environment. The operation temperature up to 200 °C.

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

#### ◆ Features

- Rated working voltage of 25 to 50Vdc
- High operation temperature up to 200 °C
- Excellent bias, high temperature stability & low Tan  $\delta$
- RoHS compliant

#### ◆ Application

- Suitable for oil exploration, automotive and avionics engine, and other harsh environments.
- Other high temperature circuit design

#### ◆ Summary Specification

Operation Temperature	-55~+200°C
Capacitance Range	1.0nF to 270nF
Rated Voltage	25Vdc to 50Vdc
Temperature Coefficient	Cap drop $\leq$ + 4.7%~ -65% at -55~+200 °C
Dissipation Factor :	2.0% max. at 1KHz 25°C
Insulation Resistance	10G $\Omega$ or 500/C $\Omega$ whichever is smaller (C in farad)
	$\geq$ 10G $\Omega$ or 10/C $\Omega$ at 200°C whichever is smaller (C in farad)

