

Low Distortion Capacitor as a Film replacement for ADSL/ xDSL Application:

Holy Stone Enterprise Co. (HEC) announces the introduction of a new X7E temperature characteristic, Low Distortion Ceramic Capacitor (LDC) series. These capacitors are suited for applications in which film capacitors are prohibitively expensive or can not withstand the high temperature requirement of Lead free solder assembly, and where COG (NPO) ceramic capacitors lack the dielectric constant to achieve the required C/V.

Among other applications which may require greater temperature stability than X7R, and at the same time higher capacitances than NPO, LDC's are ideally suited for filtering applications such as the receiving side of ADSL and xDSL circuits.

The LDC series provide a Maximum capacitance variation of 4.7% over the temperature range of -55°C to 125°C.

Product Advantages include:

- Higher dielectric constant,
- Low ESR
- Low variation with Temperature
- High solder reflow withstanding temperature (260°C)
- Medium to high Q
- Low drop in capacitance value with DC bias voltage
- Low cost

LDC is offered from 0603 to 2220 and capacitance values up to 270 nF.

Samples are available and the lead times are stock to 8 weeks. For more information, pricing or samples contact:

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