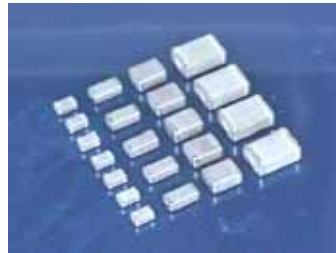


HCN Series

[High Cap. NPO]



Replacement for Film Capacitor

Holy Stone HCN series are designed with temperature stable NPO material and offered in relatively high capacitance values.

This product is offered in capacitance values from 1nF to 120 nF in 0805 to 1812 sizes, and voltages from 16 Vdc to 50 Vdc. The product is ROHS compliant and withstands up to 260°C peak solder temperature.

◆ Features & Application

- ❑ Small Size & High Capacitance
- ❑ Suitable for Wave and Reflow Soldering up to 260 °C
- ❑ Excellent Characteristics and Tight Tolerance
- ❑ Excellent Bias, High Temperature Stability & Low DF
- ❑ Replace SMT Film Capacitors
- ❑ Suitable for ADSL filter circuits, Cable modems, Coupling circuits, Audio and power circuits (Inverter), etc...

◆ Summary of Specification

Operation Temperature	-55~+125
Rated Voltage	16V to 50Vdc
Temperature Coefficient	NPO : ≤ 30ppm/ , -55~+125 (EIA Class)
Capacitance Range	1nF ~ 220nF
Dissipation Factor :	Q ≥1000 at 1KHz 20
Insulation Resistance	10G or 500/C whichever is smaller (C in Farad)
Dielectric Strength	250% Rated Voltage for 5 second @ 50mA max. current
Capacitance Tolerance	± 5% (± 2% also available)
Aging	0% per decade hr , Typical

◆ How To Order



Product Code	Chip Size	Dielectric	Capacitance Unit : pF	Tolerance	Rated Voltage	Packaging
C: MLCC (Multilayer Ceramic Chip of Capacitor)	Ex.: 0805 : 2.0x1.25 mm 1206 : 3.2x1.6 mm 1210 : 3.2x2.5 mm 1812 : 4.6x 3.2mm	N: NPO	Ex.: 102:10x10 ² 124:12x10 ⁴	Ex.: G : +/- 2% J : +/- 5%	Ex.: 016:16Vdc 025:25Vdc 050:50Vdc	T: Taping & Reel B: Bulk

