

# HBC Series

## Low-Loss, High Frequency Snubber Capacitors



### ◆ Features

- Low stable ESR at high frequency.
- Ultra stable NP0 performance.
- Suitable for solder wave and reflow soldering.
- ROHS compliant.
- High peak to peak voltage capability.

### ◆ Application

- High frequency pulse circuits.
- Lighting ballast snubber circuits.
- DC-DC converters.
- High dv/dt rating.

### ◆ Summary of Specifications

Operating Temperature	-55~+125 °C
Rated Voltage	500V and 630Vdc
Temperature Coefficient	≤ ± 30ppm at -55~+125 °C
Capacitance Range	10pF ~ 2700pF
Dissipation Factor	0.1% max. at 1MHz 25°C
Insulation Resistance	10GΩ
Dielectric Withstanding	1.5 × WVDC for 5 sec
Capacitance Tolerance	F, G, J, K
Ageing	None
Piezo Effects	None
dv/dt rating	>6KV/μ second

### ◆ How To Order

HBC
1206
N
100
J
501
T

Product Code	Chip Size	Dielectric	Capacitance Unit : pF	Tolerance	Rated Voltage	Packaging
HBC : Low-loss High Frequency Capacitors	Ex. : 1206 1210	Ex. : N : NP0	Ex. : 100 : 10×10 <sup>0</sup> 101 : 10×10 <sup>1</sup> 102 : 10×10 <sup>2</sup>	Ex. : F : ±1% G : ±2% J : ± 5% K : ±10%	Ex. : 501 : 500Vdc 631 : 630Vdc	T : Tape & Reel B : Bulk

