



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

## CERAMIC DISC CAPACITORS

### HDC Series – 1KV to 6KV [ High Voltage Disc Capacitor ]



HDC SERIES

Ceramic Disc Capacitors

HDC Series (ceramic disc capacitors) are ideal for use in general electronic products with voltage ratings from 1KV to 6KV.

#### ◆ Features

- Wide operation temperature
- Low loss at wide range of frequency
- High reliability
- RoHS compliant

#### ◆ Application

- Suitable for LAN/WLAN interface
- Ballast circuit of back-lighting inverter
- DC-DC converters,
- Snubber circuit of switching power supplies
- Modems & communication

#### ◆ Summary Specification

Operation Temperature	NPO/SL : -55~+125 °C
	X7R/Y5P/Y5S : -55~+125°C
	Y5U/Y5V : -25~+105°C
Capacitance Range	2pF to 100nF
Rated Voltage	1KVdc to 6KVdc
Temperature Coefficient	NPO : $\leq \pm 30\text{ppm}/^\circ\text{C}$ , -55~+125 °C (EIA Class I )
	SL : $+350 \sim -1000\text{ppm}/^\circ\text{C}$ , -25~+85 °C (EIA Class I )
	X7R : $\leq \pm 15\%$ , -55~+125 °C (EIA Class II )
	Y5P: $\leq \pm 10\%$ ;Y5U:+22%/-56% ;Y5V:+22%/-82% , -25~+85 °C(EIA Class II)
Insulation Resistance	10GΩ or 500/C Ω whichever is smaller
Aging	NPO:0% ; SL :1.5% per decade of time
	X7R, Y5P, Y5S: 3.5 % per decade of time
	Y5U: 5.0 %; Y5V:7.5% per decade of time
Dielectric Strength	V $\leq$ 2KV : 200% Rated Voltage
	3KV : 175% Rated Voltage
	6KV : 150% Rated Voltage

Detail datasheet is available on HEC web site or contact in location site sales department.  
www.holystone.com.tw      www.holystonecaps.com

HDC-003-hs9702

