TMCC02 High Voltage Ceramic Capacitor

Features:

Low dissipation factor of 0.2% at 1 KHZ

High frequency ≥550KHZ

High current ≥50mA

High voltage ≥1.5 times

High insulation resistance ≥200000MΩ

Long life ≥10 years

Application:

High frequency & high voltage power supplies;

CO2 lasers, high voltage pulse generator

X-ray equipment

NDT (Non-destructive testing)

Airport security equipment

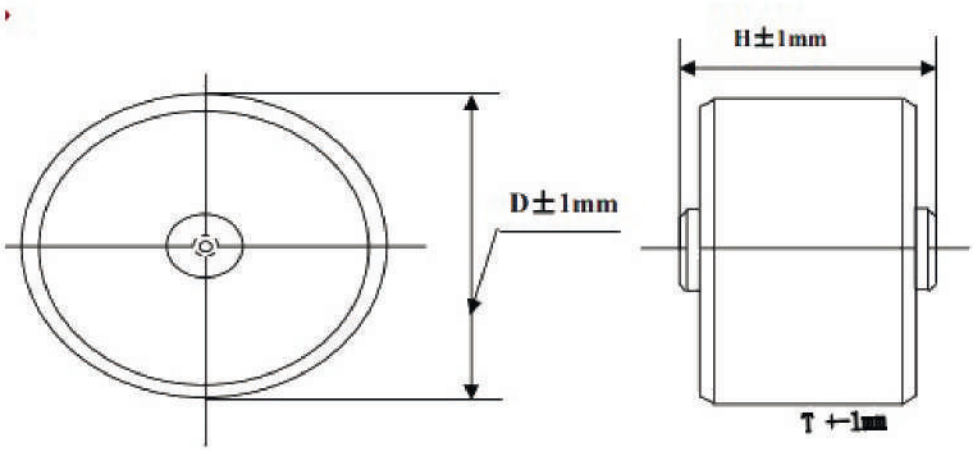
Capacitance：50PF~20000PF

Voltage Class：10KVDC~200KVDC

Ceramic Dielectric Properties:

Ceramic Dielectric	Operating temperature Range(℃)	Insulation Resistance （≧MΩ）	Dissipation Factor≦	Temperature characteristics
N4700(DL)	-25～+85℃	200000	0.2%	+/-28%

Dimensions & Lead Style :



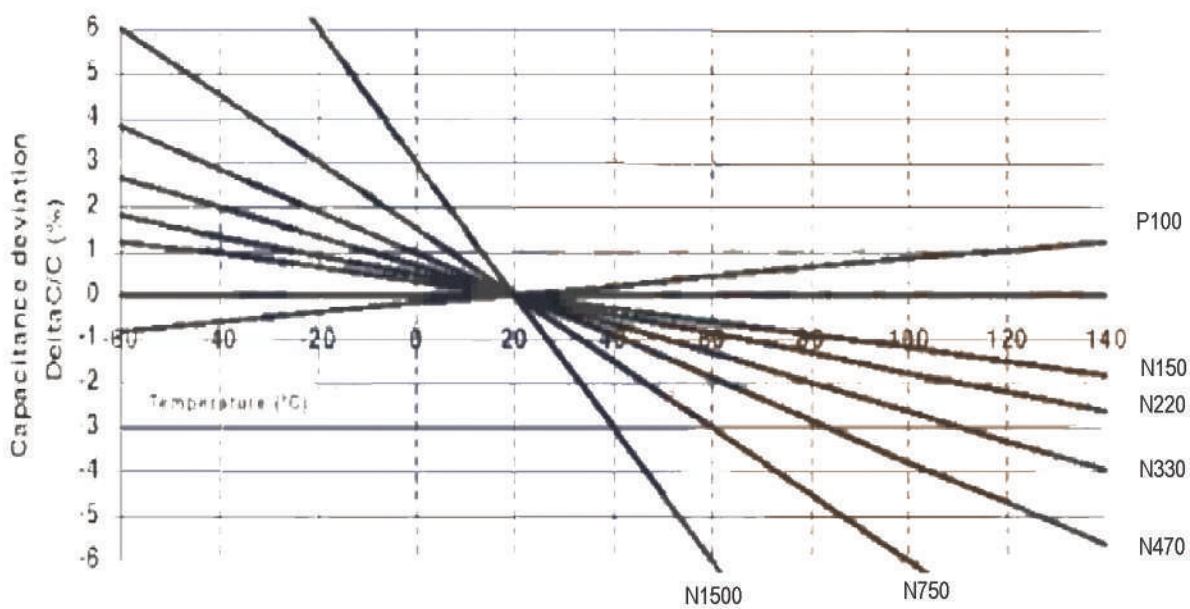
Ordering Information

No.	Part Number	Ceramic Dielectric	Rated Voltage(KV)	Capacitance		Dimensions (mm)			
				C（pF）	Tol.(%)	D	T	H	Screw
1	TMCC02-132K40KVB	DL(N4700)	40	1300	10	45	30	34	M5
2	TMCC02-202K40KVB	DL(N4700)	40	2000	10	45	20	24	M5

About N4700 ceramic

N4700 ceramic capacitor is successfully developed in recent years, a new type of ceramic, a ceramic material widely used in high-end products, compared to other Class I ceramic dielectric constant large, suitable for larger capacitance, resistance higher voltage, dissipation factor less than 0.2%, much lower than the average class II ceramic; insulation resistance is greater than200000MΩ, better frequency and characteristics of the temperature coefficient, withstand greater current, Its temperature variation of capacitance is within ±28% from -25°C to +85°C, it is life of more than 10 years.

N4007 Capacitance change vs Temperature



Precautions

(1) During transportation and storage • Do not transport or store where the capacitor will be exposed to high temperature or high humidity. • Do not expose to poisonous gases such as H2SO4, HCL or HNO3. • Avoid excessive impact such as that caused by falling.

(2) During operation • Avoid contact with electrolytes such as perspiration. Do not touch with bare hands. • Avoid excessive impact such as that caused by falling. • Do not apply solder to stud terminals. • Do not re-machine the terminals.

(3) Usage • When the capacitor is used for high-speed pulses such as with a laser, make sure that the impressed voltage (peak-to-peak volt-age) is within the capacitor's rated specifications. • Make sure that the capacitor is not exposed to radiant heat from cham.