

Hi-K SERIES

Ceramic Capacitors HIGH-DIELECTRIC-CONSTANT CAPACITOR

NA

High – dielectric – constant capacitors mainly consist of Barium Titanate. It is known as Hi-K because of its high-power factor. These capacitors which have the characteristics of high capacitance value, small internal impedance and excellent power factors are widely used in electronic circuits such coupling decoupling and by-pass purposes.

1. Specification and Test Condition

(1) Capacitance

Not exceed Capacitance tolerance
test frequency : 1 KHz
test voltage : 1 Vrms
test temperature: 25 ± 2°C

(3) Insulation Resistance

7500MΩ min. at the rated voltage for
60sec. Of charging.

(2) Dissipation Factor

B.D.E. 2.5% max
F 5%

(4) Withstanding Voltage

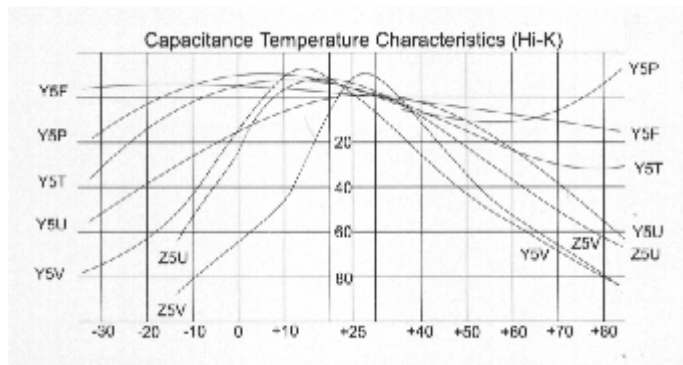
at 2.5 times of the working voltage

2. Capacitance tolerance

Z : -20% +80%
M : ±20%
K : ±10%

3. Temperature Coefficient

PPM/°C	±4.7%	±7.5%	±10%	±15%	±22%	+22%	+22%	+22%	+22%	+20%
						-33%	-56%	-82%	-56%	-82%
	Y5E	Y5F	Y5P	Y5R	Y5S	Y5T	Y5U	Y5V	Z5U	Z5V



4. Specifications

Maximum Diameter	Capacitance Value (PF)									Rated Voltage
	Temperature Coefficient									
	Y5E	Y5F	Y5P	Y5R	Y5T	Y5U	Y5V	Z5U	Z5V	
4.5mm				221-102	102			102-202		50-160-250
5.5mm	101-821	151-561	221-122	122	122-182		472-502	302-502	472-103	50-160-250
6.5mm		681-821	152-272	152-272	202-272		103		153-223	50-160-250
7.5mm			302-332	302	302-392	472-502		103		50-160-250
8.5mm			472	332-472	472-562	103	223		403	50-160-250
9.5mm			682	562	682-822				503	50-160-250
10.5mm			822	682-103	103			203		50-160-250
12.5mm			103				473			50-160-250
6.5mm	101-681	151-621	221-122				472-502	102-332	472	500
7.5mm	821-102	821-102	152							500
8.5mm			182-272			472-502		472-502	502	500
9.5mm			302-332							500
10.5mm			472			103	103	103	103	500
12.5mm			562-682				223			500
14.5mm			103				473	203-223	203-223	500