

# Конденсаторы

Дисковые с высокой диэлектрической постоянной ( K10-7, K10-62 )

# Hi-K

## CERAMIC CAPACITORS

SERIES

High-Dielectric-Constant Capacitor

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

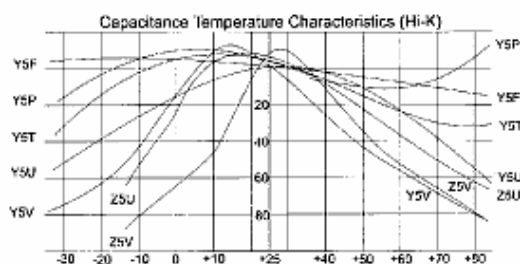
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|--|--|
| (1) Capacitance                            | (3) Insulation Resistance                    |
| Not exceed Capacitance tolerance           | 7500M $\Omega$ min. at the rated voltage for |
| test frequency : 1 KHz                     | 60 sec. of charging.                         |
| test voltage : 1 Vrms                      |  |
| test temperature : 25 $\pm$ 2 $^{\circ}$ C |  |
| (2) Dissipation Factor                     | (4) Withstanding Voltage                     |
| B.D.E. 2.5% max                            | at 2.5 times of the working voltage          |
| F 5% max                                   |  |

### 2. Capacitance tolerance

Z : -20% ~ + 80%

M:  $\pm$ 20%

K :  $\pm$ 10%



### 3. Temperature Coefficient

PPM/ $^{\circ}$ C	$\pm$ 4.7%	$\pm$ 7.5%	$\pm$ 10%	$\pm$ 15%	$\pm$ 22%	+22% -33%	+22% -56%	+22% -82%	+22% -56%	+20% -82%
	Y5E	Y5F	Y5P	Y5R	Y5S	Y5T	Y5U	Y5V	Z5U	Z5V

### 4. Specifications

Maximum Diameter	Capacitance Value (PF)									Rated Voltage VDC
	Temperature Coefficient									
	Y5E	Y5F	Y5P	Y5R	Y5T	Y5U	Y5V	Z5U	Z5V	
4.5mm				220-1000	1000			1000-2000		50   160   250
5.5mm	100-820	150-560	220-1200	1200	1200-1800		4700-5000	3000-5000	4700-10000	
6.5mm		680-820	1500-2700	1500-2700	2000-2700		10000		15000-22000	
7.5mm			3000-3300	3000	3000-3900	4700-5000		10000		
8.5mm			4700	300-4700	4700-5600	10000	22000		40000	
9.5mm			6800	5600	6800-8200				50000	
10.5mm			8200	6800-10000	10000			20000		
12.5mm			10000				47000			500
6.5mm	100-680	150-620	220-1200				4700-5000	1000-3300	4700	
7.5mm	820-1000	820-1000	1500							
8.5mm			1800-2700			4700-5000		4700-5000	5000	
9.5mm			3000-3300							
10.5mm			4700			10000	10000	10000	10000	
12.5mm			5600-6800				22000			
14.5mm			10000				47000	20000-22000	20000-22000	

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