

# Конденсаторы

Дисковые термостабильные ( K10-7, K10-62 )

# T.C.

# CERAMIC CAPACITORS

SERIES

## Temperature Compensation Capacitor

Temperature compensation capacitors mainly consist of Titanium. They have the characteristics of low constant, low losses (high quality factor), high stability and linear temperature relationship. All these features suited for temperature compensating are mainly used in resonant circuits or in other circuits where high Q and high temperature - base stability of circuit constant are required.

### 1. Specification and Test Condition

#### (1) Capacitance

Not exceed Capacitance tolerance

test frequency : 1 MHz  
test voltage : 1 Vrms  
test temperature :  $25 \pm 2^{\circ}\text{C}$

#### (3) Insulation Resistance

10000MQ min. at the rated voltage for 60 sec. of charging.

#### (2) Quality Factor

$C \geq 30\text{PF}$        $Q \geq 1000$   
 $C < 30\text{PF}$        $Q \geq 400 + 20 \times C$

#### (4) Withstanding Voltage

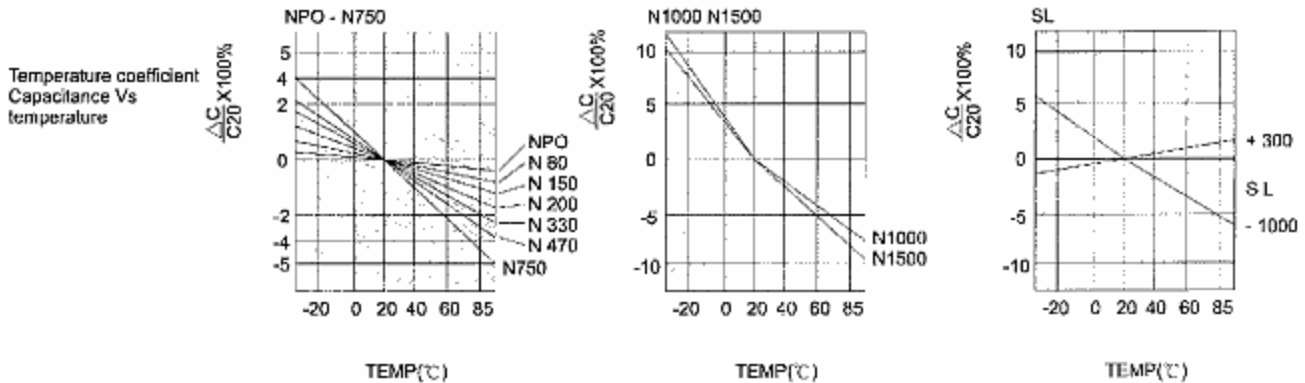
at 2.5 times of the working voltage

### 2. Capacitance tolerance

Capacitance	Adapted tolerance
1 – 9 PF	$\pm 0.25 \text{ PF ( C ) } \& \pm 0.5\text{PF ( D )}$
10 PF and above	$+ 5\% ( J ) \& +10\% ( K )$

### 3. Temperature Coefficient

PPM/°C	0	-80	-150	-220	-330	-470	-750	-1000	-1500	+300 -1500
	NPO	N80	N150	N220	N330	N470	N750	N1000	N1500	SL



### 4. Specifications

Maximum Diameter	Capacitance Value ( PF )								Rated Voltage VDC
	NPO	N80	N150	N220	N330	N470	N750	SL	
4.5 mm	1 – 47	1 – 27	1 – 47	1 – 47	1 – 56	1 – 62	1 – 91	1 – 150	50 — 160 — 250
5.5 mm	1 – 47	1 – 27	1 – 47	1 – 47	1 – 56	1 – 62	1 – 91	1 – 150	
6.5 mm	51 – 82	30 – 39	51 – 62	51 – 62	62 – 91	68 – 91	100 – 150	160 – 220	
7.5 mm	100	43 – 56	68 – 100	68 – 100	82 – 120	100 – 130	160 – 220	220 – 330	
8.5 mm	120 – 150	62 – 82	110 – 150	110 – 150	130 – 180	150 – 200	220 – 270	360 – 390	
9.5 mm	180 – 220	91 – 120	160 – 220	160 – 220	220 – 240	220 – 270	300 – 360	470 – 560	
10.5 mm	270 – 330	130 – 150	240 – 270	240 – 270	270 – 330	300 – 360	390 – 470	680 – 820	
11.5 mm	390								
12.5 mm		160 – 180	300 – 330	300 – 330	360 – 390	390 – 430	510 – 680		
14.5 mm	470								

РАДИОТЕХ

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