



CK1 SERIES (NP0)

2 to 150pF, 3 to 6kV
High Voltage Ceramic Capacitors



Features

- Radial Leaded Package
- NP0 Temperature Characteristics

Specifications

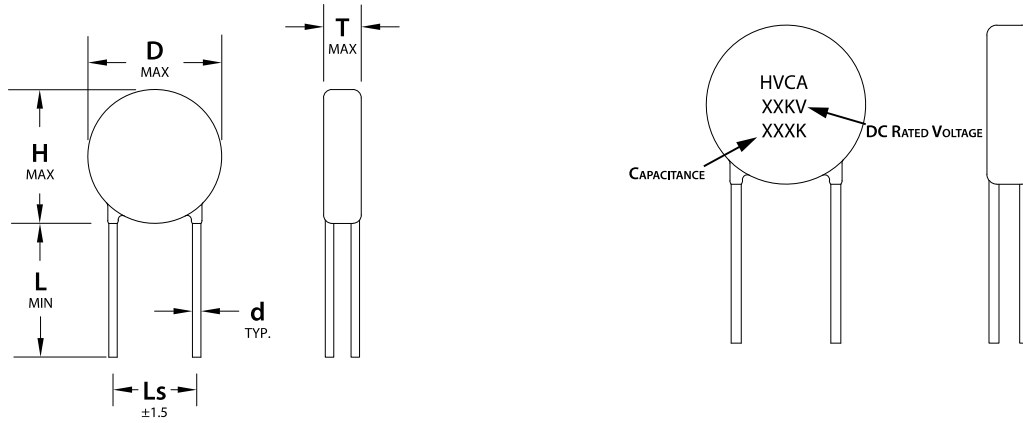
Part Number	Value									
	C Typical Cap. (pF)	Tolerance (±%)	V _{RATED} Max. Rated Voltage (kVDC)	V _{WITHSTAND} Dielectric Withstand Voltage (kVDC)	D Max. Dia. (mm)	H Max. Height (mm)	T Max. Thickness (mm)	L Min. Lead Length (mm)	Ls Max. Lead Spacing (mm) ±1.5mm tolerance	d Typical Lead Dia. (mm)
CK1NP02R0-3KV	2	K,M,Z	3.0	6.0	6.0	9.0	4.0	25.0	5.0	0.6
CK1NP03R3-3KV	3.3	K,M,Z	3.0	6.0	6.0	9.0	4.0	25.0	5.0	0.6
CK1NP05R0-3KV	5	K,M,Z	3.0	6.0	6.0	9.0	4.0	25.0	5.0	0.6
CK1NP06R8-3KV	6.8	K,M,Z	3.0	6.0	6.0	9.0	4.0	25.0	5.0	0.6
CK1NP0100-3KV	10	K,M,Z	3.0	6.0	7.0	10.0	4.0	25.0	5.0	0.6
CK1NP0150-3KV	15	K,M,Z	3.0	6.0	7.0	10.0	4.0	25.0	7.5	0.6
CK1NP0330-3KV	33	K,M,Z	3.0	6.0	8.0	11.0	4.0	25.0	7.5	0.6
CK1NP0510-3KV	51	K,M,Z	3.0	6.0	9.0	12.0	4.0	25.0	7.5	0.6
CK1NP0680-3KV	68	K,M,Z	3.0	6.0	10.0	13.0	4.0	25.0	7.5	0.6
CK1NP0910-3KV	91	K,M,Z	3.0	6.0	12.0	15.0	4.0	25.0	10.0	0.7
CK1NP02R0-6KV	2	K,M,Z	6.0	12.0	8.0	12.0	5.0	25.0	10.0	0.6
CK1NP03R6-6KV	3.3	K,M,Z	6.0	12.0	6.0	9.0	5.0	25.0	10.0	0.6
CK1NP05R0-6KV	5	K,M,Z	6.0	12.0	7.0	10.0	5.0	25.0	10.0	0.6
CK1NP06R8-6KV	6.8	K,M,Z	6.0	12.0	7.0	10.0	5.0	25.0	10.0	0.6
CK1NP0100-6KV	10	K,M,Z	6.0	12.0	10.0	14.0	5.0	25.0	10.0	0.6
CK1NP0150-6KV	15	K,M,Z	6.0	12.0	10.0	14.0	5.0	25.0	10.0	0.6
CK1NP0330-6KV	33	K,M,Z	6.0	12.0	12.0	16.0	5.0	25.0	10.0	0.6
CK1NP0390-6KV	39	K,M,Z	6.0	12.0	10.0	13.0	5.0	25.0	10.0	0.6
CK1NP0680-6KV	68	K,M,Z	6.0	12.0	12.0	15.0	5.0	25.0	10.0	0.7
CK1NP0910-6KV	91	K,M,Z	6.0	12.0	14.0	17.0	5.0	25.0	10.0	0.7
CK1NP0101-6KV	100	K,M,Z	6.0	12.0	16.0	20.0	5.0	25.0	10.0	0.7
CK1NP0121-6KV	120	K,M,Z	6.0	12.0	18.0	22.0	6.0	25.0	10.0	0.7
CK1NP0151-6KV	150	K,M,Z	6.0	12.0	19.0	23.0	6.0	25.0	10.0	0.7

Note: CK1NP0 models are offered with K (± 10%), M (± 20%), and Z (+80%, -20%) capacitance tolerances. Substitute the "*" in the part number with the preferred tolerance. Inquire for additional information.

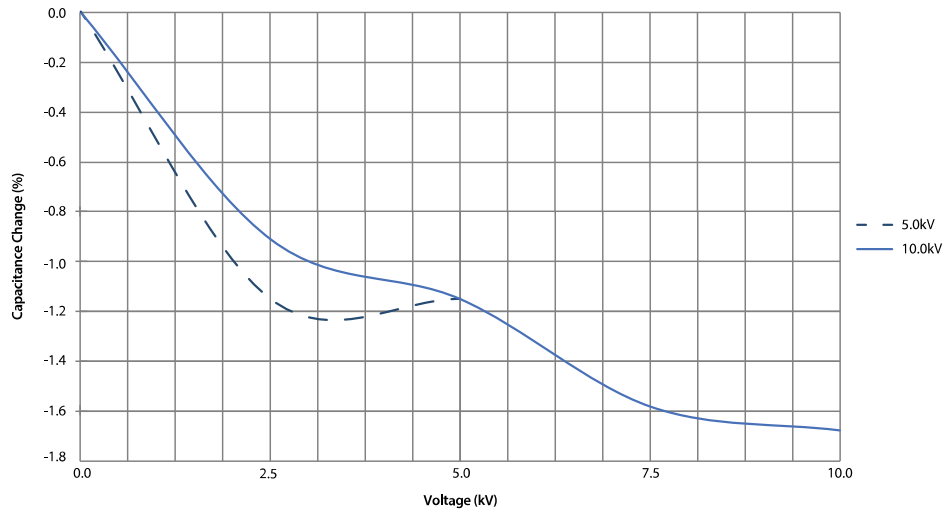


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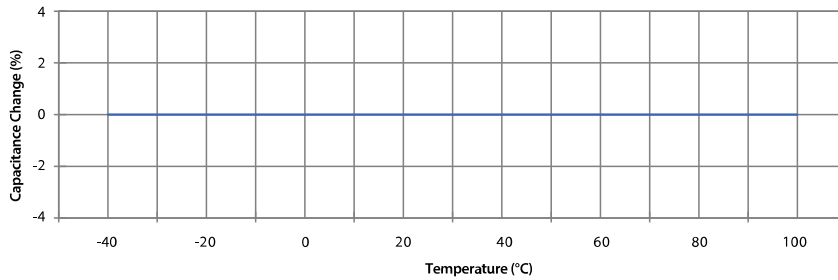
Drawings and Characteristics



NP0 TYPICAL VOLTAGE CHARACTERISTICS CURVE



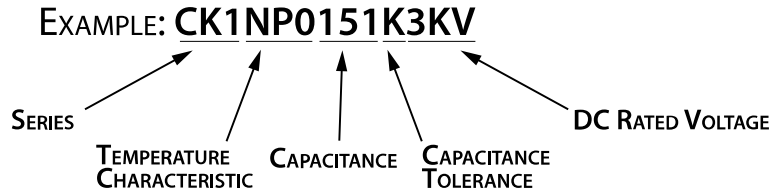
NP0 TYPICAL TEMPERATURE CHARACTERISTICS CURVE





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Part Number Decoder:



Capacitance Decoder:

For capacitance values 100pF and higher, the first and second digits are significant digits, while the third digit expresses the number of zeros to follow the two significant digits. For example, 152 = 1500pF, since the 1 and the 5 are the significant digits with 2 zeros that follow.

For capacitance values less than 10pF, digits before the "R" are significant digits, while digits after the "R" are the decimal values after the significant digits. For example, 4R7 = 4.7pF, since the 4 is the significant digit while the 7 is the digit after the decimal.

Additional Specifications		
TOP	Operating Temperature Range	-25 to +100°C
TC	Temperature Coefficient	-25 to +85°C
DF	Dissipation Factor	Q ≥ 400 C < 30pF, +20°C
		Q ≥ 1000 C < 30pF



Note: Specifications subject to change without notice. Photo is representation only.