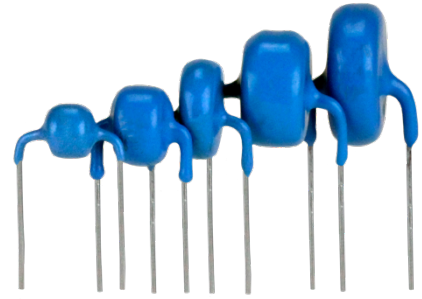




# NY3 SERIES (Y5U)

220 to 2500pF, 10 to 20kV  
High Voltage Ceramic Capacitors



## Features

- Axial Leaded Package
- Y5U Temperature Characteristics

## Specifications

Part Number	Value									
	C Typical Cap. (pF)	Tolerance (±%)	V <sub>RATE</sub> Max. Rated Voltage (kVDC)	V <sub>WITHSTAND</sub> Dielectric Withstand Voltage (kVDC)	D Max. Dia. (mm)	H Max. Height (mm)	T Max. Thickness (mm)	L Min. Lead Length (mm)	L <sub>s</sub> Max. Lead Spacing (mm) <i>±1.5mm tolerance</i>	d Typical Lead Dia. (mm)
NY3Y5U561•10KV	560	K,M,Z	10.0	15.0	11.0	15.0	9.0	25.0	15.0	0.7
NY3Y5U681•10KV	680	K,M,Z	10.0	15.0	11.0	15.0	9.0	25.0	15.0	0.7
NY3Y5U102•10KV	1000	K,M,Z	10.0	15.0	13.0	17.0	9.0	25.0	15.0	0.7
NY3Y5U122•10KV	1200	K,M,Z	10.0	15.0	14.0	18.0	9.0	25.0	15.0	0.7
NY3Y5U182•10KV	1800	K,M,Z	10.0	15.0	16.0	20.0	9.0	25.0	15.0	0.7
NY3Y5U222•10KV	2200	K,M,Z	10.0	15.0	17.0	21.0	9.0	25.0	15.0	0.7
NY3Y5U332•10KV	3300	K,M,Z	10.0	15.0	18.0	22.0	9.0	25.0	15.0	0.7
NY3Y5U472•10KV	4700	K,M,Z	10.0	15.0	20.0	24.0	9.0	25.0	15.0	0.7
NY3Y5U562•10KV	5600	K,M,Z	10.0	15.0	24.0	28.0	10.0	25.0	15.0	0.7
NY3Y5U682•10KV	6800	K,M,Z	10.0	15.0	27.0	31.0	10.0	25.0	15.0	0.7
NY3Y5U561•12KV	560	K,M,Z	12.0	18.0	11.0	15.0	9.0	25.0	15.0	0.7
NY3Y5U681•12KV	680	K,M,Z	12.0	18.0	11.0	15.0	9.0	25.0	15.0	0.7
NY3Y5U102•12KV	1000	K,M,Z	12.0	18.0	14.0	18.0	9.0	25.0	15.0	0.7
NY3Y5U122•12KV	1200	K,M,Z	12.0	18.0	14.0	18.0	9.0	25.0	15.0	0.7
NY3Y5U182•12KV	1800	K,M,Z	12.0	18.0	16.0	20.0	9.0	25.0	15.0	0.7
NY3Y5U222•12KV	2200	K,M,Z	12.0	18.0	17.0	21.0	9.0	25.0	15.0	0.7
NY3Y5U332•12KV	3300	K,M,Z	12.0	18.0	20.0	24.0	9.0	25.0	15.0	0.7
NY3Y5U472•12KV	4700	K,M,Z	12.0	18.0	20.0	24.0	9.0	25.0	15.0	0.7
NY3Y5U562•12KV	5600	K,M,Z	12.0	18.0	24.0	28.0	10.0	25.0	15.0	0.7
NY3Y5U682•12KV	6800	K,M,Z	12.0	18.0	27.0	31.0	10.0	25.0	15.0	0.7
NY3Y5U561•15KV	560	K,M,Z	15.0	22.5	12.0	15.0	10.0	25.0	15.0	0.7
NY3Y5U681•15KV	680	K,M,Z	15.0	22.5	12.0	16.0	10.0	25.0	15.0	0.7
NY3Y5U102•15KV	1000	K,M,Z	15.0	22.5	14.0	18.0	10.0	25.0	15.0	0.7
NY3Y5U122•15KV	1200	K,M,Z	15.0	22.5	14.0	18.0	10.0	25.0	15.0	0.7
NY3Y5U182•15KV	1800	K,M,Z	15.0	22.5	16.0	20.0	10.0	25.0	15.0	0.7
NY3Y5U222•15KV	2200	K,M,Z	15.0	22.5	17.0	21.0	10.0	25.0	15.0	0.7
NY3Y5U332•15KV	3300	K,M,Z	15.0	22.5	20.0	24.0	10.0	25.0	15.0	0.7
NY3Y5U472•15KV	4700	K,M,Z	15.0	22.5	23.0	27.0	10.0	25.0	15.0	0.7
NY3Y5U562•15KV	5600	K,M,Z	15.0	22.5	24.0	28.0	10.0	25.0	15.0	0.7
NY3Y5U561•18KV	560	K,M,Z	18.0	27.0	12.0	16.0	11.0	25.0	16.0	0.7
NY3Y5U681•18KV	680	K,M,Z	18.0	27.0	12.0	16.0	11.0	25.0	16.0	0.7
NY3Y5U102•18KV	1000	K,M,Z	18.0	27.0	14.0	18.0	11.0	25.0	16.0	0.7
NY3Y5U122•18KV	1200	K,M,Z	18.0	27.0	15.0	19.0	11.0	25.0	16.0	0.7
NY3Y5U182•18KV	1800	K,M,Z	18.0	27.0	17.0	21.0	11.0	25.0	16.0	0.7
NY3Y5U222•18KV	2200	K,M,Z	18.0	27.0	20.0	24.0	11.0	25.0	16.0	0.7
NY3Y5U332•18KV	3300	K,M,Z	18.0	27.0	23.0	27.0	11.0	25.0	16.0	0.7

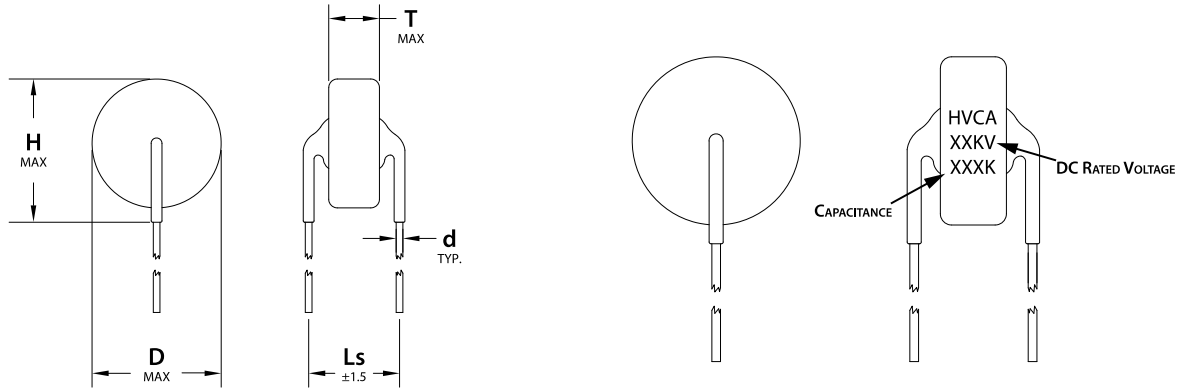


# NY3 SERIES (Y5U)

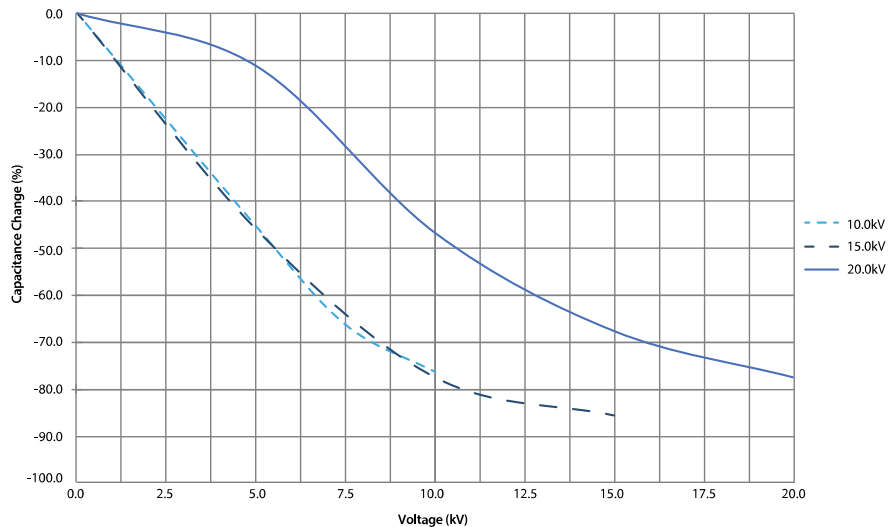
Part Number	Value									
	C Typical Cap. (pF)	Tolerance (±%)	V <sub>RATE</sub> Max. Rated Voltage (kVDC)	V <sub>WITHSTAND</sub> Dielectric Withstand Voltage (kVDC)	D Max. Dia. (mm)	H Max. Height (mm)	T Max. Thickness (mm)	L Min. Lead Length (mm)	Ls Max. Lead Spacing (mm) ±1.5mm tolerance	d Typical Lead Dia. (mm)
NY3Y5U472-18KV	4700	K,M,Z	18.0	27.0	24.0	28.0	11.0	25.0	16.0	0.7
NY3Y5U561-20KV	560	K,M,Z	20.0	30.0	12.0	16.0	11.0	25.0	16.0	0.7
NY3Y5U681-20KV	680	K,M,Z	20.0	30.0	12.0	16.0	11.0	25.0	16.0	0.7
NY3Y5U102-20KV	1000	K,M,Z	20.0	30.0	14.0	18.0	11.0	25.0	16.0	0.7
NY3Y5U122-20KV	1200	K,M,Z	20.0	30.0	15.0	19.0	11.0	25.0	16.0	0.7
NY3Y5U182-20KV	1800	K,M,Z	20.0	30.0	17.0	21.0	11.0	25.0	16.0	0.7
NY3Y5U222-20KV	2200	K,M,Z	20.0	30.0	19.0	23.0	11.0	25.0	16.0	0.7
NY3Y5U332-20KV	3300	K,M,Z	20.0	30.0	22.0	26.0	11.0	25.0	16.0	0.7
NY3Y5U472-20KV	4700	K,M,Z	20.0	30.0	24.0	28.0	11.0	25.0	16.0	0.7

Note: NY3Y5U 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.

## Drawings and Characteristics



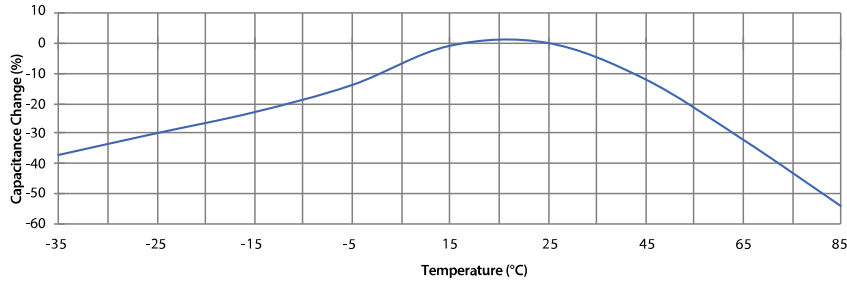
Y5U TYPICAL VOLTAGE CHARACTERISTICS CURVE





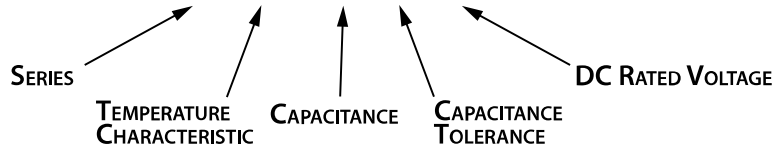
# NY3 SERIES (Y5U)

Y5U TYPICAL TEMPERATURE CHARACTERISTICS CURVE



## Part Number Decoder:

EXAMPLE: **NY3Y5U561M10KV**



### 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		
<b>TOP</b>	Operating Temperature Range	-25 to +100°C
<b>TC</b>	Temperature Coefficient	-25 to +85°C
<b>DF</b>	Dissipation Factor	2.5% Max



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