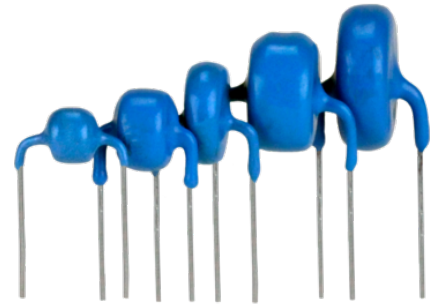




TY3 SERIES (Y5U)

680 to 6200pF, 10 to 20kV
High Voltage Ceramic Capacitors



Features

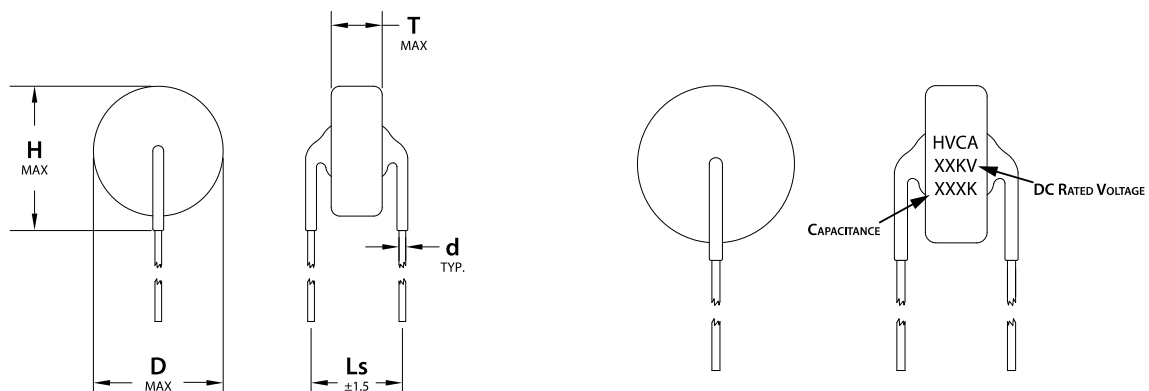
- Radial Led Package
- Y5U Temperature Characteristics

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)
TY3Y5U102•10KV	1000	K,M,Z	10.0	15.0	12.0	16.0	8.5	25.0	10.0	0.7
TY3Y5U102•12KV	1000	K,M,Z	12.0	18.0	13.0	17.0	9.0	25.0	17.0	0.7
TY3Y5U332•12KV	3300	K,M,Z	12.0	18.0	20.0	24.0	9.0	25.0	17.0	0.7
TY3Y5U222•15KV	2200	K,M,Z	15.0	22.5	17.0	22.0	10.0	25.0	15.0	0.7
TY3Y5U332•15KV	3300	K,M,Z	15.0	22.5	22.0	25.0	10.0	25.0	15.0	0.7
TY3Y5U472•15KV	4700	K,M,Z	15.0	22.5	27.0	31.0	11.0	25.0	16.0	0.8
TY3Y5U681•18KV	680	K,M,Z	18.0	27.0	13.0	17.0	11.0	25.0	17.0	0.8
TY3Y5U332•18KV	3300	K,M,Z	18.0	27.0	24.0	27.0	11.0	25.0	16.0	0.7
TY3Y5U472•18KV	4700	K,M,Z	18.0	27.0	22.0	25.0	10.0	25.0	15.0	0.8
TY3Y5U681•20KV	680	K,M,Z	20.0	30.0	13.0	17.0	11.0	25.0	17.0	0.8
TY3Y5U102•20KV	1000	K,M,Z	20.0	30.0	17.0	21.0	13.0	25.0	18.0	0.8
TY3Y5U222•20KV	2200	K,M,Z	20.0	30.0	23.0	27.0	13.0	25.0	18.0	1.0
TY3Y5U332•20KV	3300	K,M,Z	20.0	30.0	24.0	27.0	11.0	25.0	16.0	0.7
TY3Y5U472•20KV	4700	K,M,Z	20.0	30.0	31.0	35.0	12.5	25.0	16.0	0.8
TY3Y5U562•20KV	5600	K,M,Z	20.0	30.0	34.0	38.0	14.0	25.0	19.0	0.8
TY3Y5U622•20KV	6200	K,M,Z	20.0	30.0	36.0	40.0	14.0	25.0	19.0	0.8
TY3Y5U102•30KV	1000	K,M,Z	30.0	45.0	18.0	22.0	16.0	25.0	12.5	0.8
TY3Y5U222•30KV	2200	K,M,Z	30.0	45.0	26.0	30.0	16.0	25.0	12.5	0.8
TY3Y5U332•30KV	3300	K,M,Z	30.0	45.0	31.0	35.0	16.0	25.0	12.5	0.8
TY3Y5U472•30KV	4700	K,M,Z	30.0	45.0	37.0	41.0	16.0	25.0	12.5	0.8

Note: TY3Y5U 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.

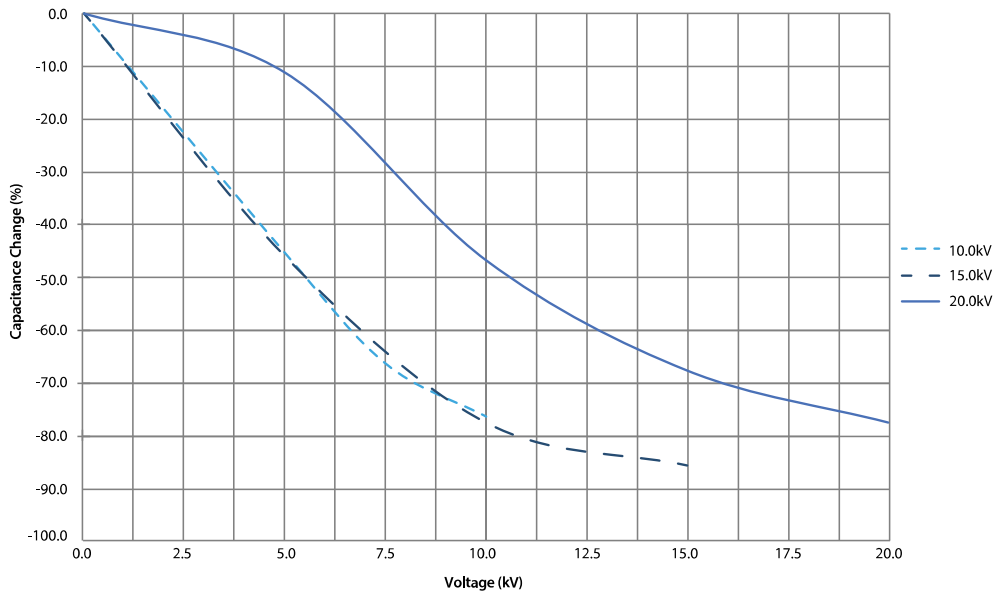
Drawings and Characteristics



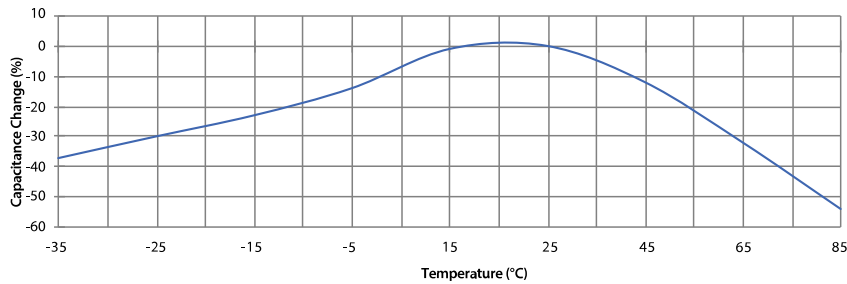


TY3 SERIES (Y5U)

Y5U TYPICAL VOLTAGE CHARACTERISTICS CURVE

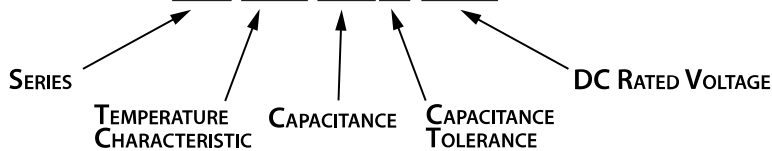


Y5U TYPICAL TEMPERATURE CHARACTERISTICS CURVE



Part Number Decoder:

EXAMPLE: **TY3Y5U102M12KV**



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	2.5% Max



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