



TY2 SERIES (Z5U)

330 to 10000pF, 1 to 20kV
High Voltage Ceramic Capacitors



Features

- Radial Leaded Package
- Z5U Temperature Characteristics

Specifications

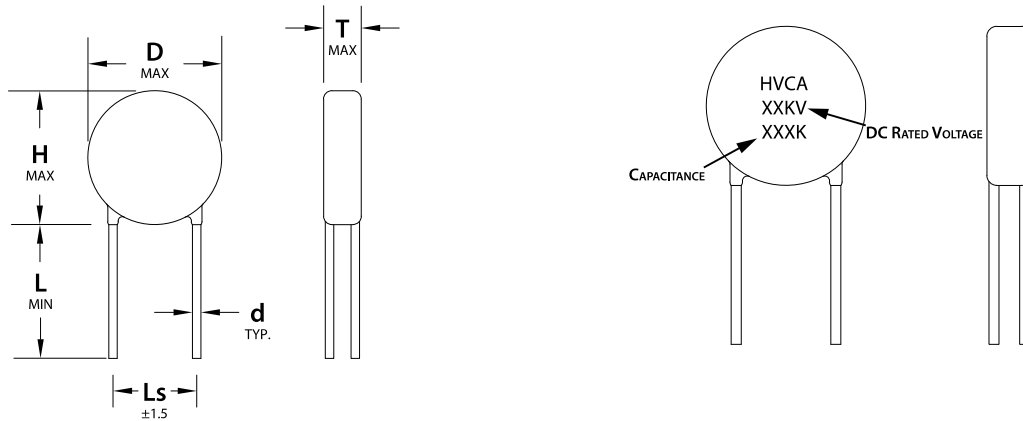
Part Number	Value									
	C Typical Cap. (pF)	Tolerance (±%)	V _{RATED} Max. Rated Voltage (kVDC)	V _{WITHSTAND} Dielectric Withstand Voltage (kVDC)	D Max. Dia. (mm)	H Max. Height (mm)	T Max. Thickness (mm)	L Min. Lead Length (mm)	Ls Max. Lead Spacing (mm) ±1.5mm tolerance	d Typical Lead Dia. (mm)
TY2Z5U502•1KV	5000	K,M,Z	1.0	1.5	10.0	13.0	4.0	25.0	6.5	0.6
TY2Z5U103•1KV	10000	K,M,Z	1.0	1.5	12.0	15.0	4.0	25.0	9.5	0.7
TY2Z5U102•3KV	1000	K,M,Z	3.0	4.5	8.0	14.0	4.5	25.0	7.5	0.6
TY2Z5U222•3KV	2200	K,M,Z	3.0	4.5	11.0	14.0	5.0	25.0	7.5	0.6
TY2Z5U332•3KV	3300	K,M,Z	3.0	4.5	13.0	16.0	6.0	25.0	7.5	0.6
TY2Z5U472•3KV	4700	K,M,Z	3.0	4.5	16.0	19.0	6.0	25.0	10.0	0.8
TY2Z5U562•3KV	5600	K,M,Z	3.0	4.5	15.0	18.0	5.0	25.0	7.5	0.6
TY2Z5U472•4KV	4700	K,M,Z	4.0	6.0	15.0	19.0	5.0	25.0	10.0	0.7
TY2Z5U102•5KV	1000	K,M,Z	5.0	7.5	8.0	11.0	5.0	25.0	10.0	0.7
TY2Z5U202•5KV	2000	K,M,Z	5.0	7.5	10.0	14.0	5.0	25.0	10.0	0.7
TY2Z5U471•6KV	470	K,M,Z	6.0	9.0	8.0	11.0	6.0	25.0	10.0	0.6
TY2Z5U102•6KV	1000	K,M,Z	6.0	9.0	9.0	12.0	6.0	25.0	10.0	0.6
TY2Z5U152•6KV	1500	K,M,Z	6.0	9.0	12.0	16.0	6.0	25.0	10.0	0.6
TY2Z5U222•6KV	2200	K,M,Z	6.0	9.0	11.5	14.5	6.0	25.0	10.0	0.6
TY2Z5U332•6KV	3300	K,M,Z	6.0	9.0	14.0	17.0	6.0	25.0	10.0	0.6
TY2Z5U102•10KV	1000	K,M,Z	10.0	15.0	11.0	15.0	8.0	25.0	10.0	0.7
TY2Z5U152•10KV	1500	K,M,Z	10.0	15.0	13.0	16.0	8.0	25.0	10.0	0.7
TY2Z5U222•10KV	2200	K,M,Z	10.0	15.0	17.0	20.0	8.0	25.0	10.0	0.7
TY2Z5U242•10KV	2400	K,M,Z	10.0	15.0	15.0	19.0	8.0	25.0	10.0	0.7
TY2Z5U332•10KV	3300	K,M,Z	10.0	15.0	17.0	21.0	8.0	25.0	10.0	0.6
TY2Z5U472•10KV	4700	K,M,Z	10.0	15.0	21.0	24.0	8.0	25.0	10.0	0.7
TY2Z5U331•15KV	330	K,M,Z	15.0	22.5	10.0	14.0	9.0	25.0	12.5	0.7
TY2Z5U471•15KV	470	K,M,Z	15.0	22.5	11.0	14.0	11.0	25.0	12.5	0.7
TY2Z5U561•15KV	560	K,M,Z	15.0	22.5	11.0	15.0	10.0	25.0	12.5	0.7
TY2Z5U681•15KV	680	K,M,Z	15.0	22.5	11.0	15.0	10.0	25.0	12.5	0.7
TY2Z5U102•15KV	1000	K,M,Z	15.0	22.5	12.0	15.0	9.0	25.0	12.5	0.7
TY2Z5U152•15KV	1500	K,M,Z	15.0	22.5	17.0	21.0	10.0	25.0	12.5	0.7
TY2Z5U202•15KV	2000	K,M,Z	15.0	22.5	18.0	21.5	10.0	25.0	12.5	0.7
TY2Z5U472•15KV	4700	K,M,Z	15.0	22.5	27.0	32.0	11.0	25.0	12.5	0.7
TY2Z5U102•18KV	1000	K,M,Z	18.0	27.0	16.0	20.0	13.0	25.0	17.0	0.8
TY2Z5U202•18KV	2000	K,M,Z	18.0	27.0	22.0	26.0	13.0	25.0	17.0	0.8
TY2Z5U561•20KV	560	K,M,Z	20.0	30.0	13.0	17.0	11.0	25.0	12.5	0.7
TY2Z5U102•20KV	1000	K,M,Z	20.0	30.0	16.0	20.0	13.0	25.0	12.5	0.7
TY2Z5U202•20KV	2000	K,M,Z	20.0	30.0	21.0	25.0	13.0	25.0	12.5	0.8

Note: TY2Z5U 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.

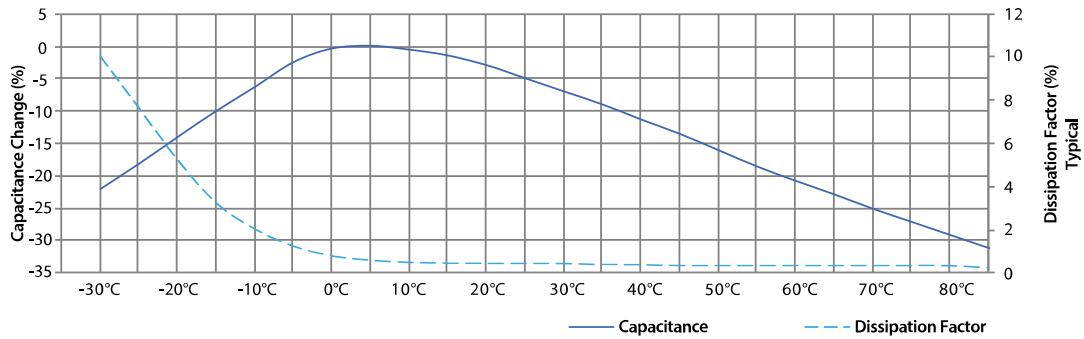


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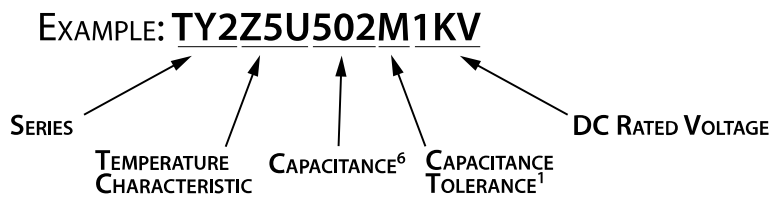
Drawings and Characteristics



Z5U TYPICAL TEMPERATURE AND DISSIPATION CHARACTERISTICS CURVE



Part Number Decoder:



⁶Capacitance 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.