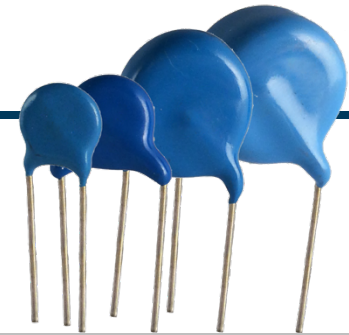




# TY2 SERIES (BxN)

3 to 20kV  
High Voltage Ceramic Capacitors



## Features

- Radial Leaded Package
- BxN Temperature Characteristics

## Specifications

Part Number	C pF	Tolerance ±%	V <sub>RATE</sub> kV DC	V <sub>WITHSTAND</sub> kV	D <sup>1</sup> mm	H <sup>1</sup> mm	T <sup>1</sup> mm	L <sup>2</sup> mm	Ls <sup>3</sup> mm	d <sup>4</sup> mm
TY2BxN101M3KV	100	20	3	4.5	8.0	11.0	4.5	25.0	7.5	0.6
TY2BxN151M3KV	150	20	3	4.5	8.0	11.0	4.5	25.0	7.5	0.6
TY2BxN221M3KV	220	20	3	4.5	9.0	12.0	4.5	25.0	7.5	0.6
TY2BxN331M3KV	330	20	3	4.5	10.0	13.0	4.5	25.0	7.5	0.6
TY2BxN471M3KV	470	20	3	4.5	11.0	14.0	4.5	25.0	7.5	0.6
TY2BxN561M3KV	560	20	3	4.5	12.0	15.0	4.5	25.0	7.5	0.6
TY2BxN681M3KV	680	20	3	4.5	13.0	16.0	4.5	25.0	7.5	0.6
TY2BxN821M3KV	820	20	3	4.5	13.0	16.0	4.5	25.0	7.5	0.6
TY2BxN102M3KV	1000	20	3	4.5	15.0	18.0	4.5	25.0	7.5	0.6
TY2BxN152M3KV	1500	20	3	4.5	17.0	20.0	4.5	25.0	7.5	0.6
TY2BxN222M3KV	2200	20	3	4.5	19.0	22.0	4.5	25.0	7.5	0.6
TY2BxN242M3KV	2400	20	3	4.5	20.0	23.0	4.0	25.0	7.5	0.6
TY2BxN272M3KV	2700	20	3	4.5	22.0	25.0	5.0	25.0	7.5	0.7
TY2BxN332M3KV	3300	20	3	4.5	24.0	28.0	5.0	25.0	7.5	0.7
TY2BxN472M3KV	4700	20	3	4.5	27.0	31.0	5.0	25.0	7.5	0.7
TY2BxN101M4KV	100	20	4	6.0	8.0	11.0	5.0	25.0	10.0	0.6
TY2BxN151M4KV	150	20	4	6.0	9.0	12.0	5.0	25.0	10.0	0.6
TY2BxN221M4KV	220	20	4	6.0	10.0	13.0	5.0	25.0	10.0	0.6
TY2BxN331M4KV	330	20	4	6.0	11.0	14.0	5.0	25.0	10.0	0.6
TY2BxN471M4KV	470	20	4	6.0	12.0	15.0	5.0	25.0	10.0	0.6
TY2BxN561M4KV	560	20	4	6.0	13.0	16.0	5.0	25.0	10.0	0.6
TY2BxN681M4KV	680	20	4	6.0	14.0	17.0	5.0	25.0	10.0	0.6
TY2BxN821M4KV	820	20	4	6.0	15.0	18.0	5.0	25.0	10.0	0.6
TY2BxN102M4KV	1000	20	4	6.0	16.0	19.0	5.0	25.0	10.0	0.6
TY2BxN152M4KV	1500	20	4	6.0	19.0	22.0	5.0	25.0	10.0	0.6
TY2BxN222M4KV	2200	20	4	6.0	22.0	25.0	5.5	25.0	10.0	0.7
TY2BxN272M4KV	2700	20	4	6.0	24.0	28.0	5.5	25.0	10.0	0.7
TY2BxN332M4KV	3300	20	4	6.0	26.0	30.0	5.5	25.0	10.0	0.7
TY2BxN101M5KV	100	20	5	7.5	8.0	11.0	5.5	25.0	10.0	0.6
TY2BxN151M5KV	150	20	5	7.5	9.0	12.0	5.5	25.0	10.0	0.6
TY2BxN221M5KV	220	20	5	7.5	10.0	13.0	5.5	25.0	10.0	0.6
TY2BxN331M5KV	330	20	5	7.5	11.0	14.0	5.5	25.0	10.0	0.6
TY2BxN471M5KV	470	20	5	7.5	13.0	16.0	5.5	25.0	10.0	0.6
TY2BxN561M5KV	560	20	5	7.5	14.0	17.0	5.5	25.0	10.0	0.6
TY2BxN681M5KV	680	20	5	7.5	15.0	18.0	5.5	25.0	10.0	0.6
TY2BxN821M5KV	820	20	5	7.5	16.0	19.0	5.5	25.0	10.0	0.6
TY2BxN102M5KV	1000	20	5	7.5	18.0	21.0	5.5	25.0	10.0	0.6
TY2BxN152M5KV	1500	20	5	7.5	20.0	23.0	6.0	25.0	10.0	0.7
TY2BxN222M5KV	2200	20	5	7.5	24.0	28.0	6.0	25.0	10.0	0.7
TY2BxN272M5KV	2700	20	5	7.5	26.0	30.0	6.0	25.0	10.0	0.7



## TY2 SERIES (BxN)

Part Number	C pF	Tolerance ±%	V <sub>RATE</sub> kV DC	V <sub>WITHSTAND</sub> kV	D <sup>1</sup> mm	H <sup>1</sup> mm	T <sup>1</sup> mm	L <sup>2</sup> mm	Ls <sup>3</sup> mm	d <sup>4</sup> mm
TY2BxN101M6KV	100	20	6	9.0	8.0	11.0	6.0	25.0	10.0	0.6
TY2BxN151M6KV	150	20	6	9.0	9.0	12.0	6.0	25.0	10.0	0.6
TY2BxN221M6KV	220	20	6	9.0	11.0	14.0	6.0	25.0	10.0	0.6
TY2BxN331M6KV	330	20	6	9.0	12.0	15.0	6.0	25.0	10.0	0.6
TY2BxN471M6KV	470	20	6	9.0	14.0	17.0	6.0	25.0	10.0	0.6
TY2BxN561M6KV	560	20	6	9.0	15.0	18.0	6.0	25.0	10.0	0.6
TY2BxN681M6KV	680	20	6	9.0	16.0	19.0	6.0	25.0	10.0	0.6
TY2BxN821M6KV	820	20	6	9.0	17.0	20.0	6.0	25.0	10.0	0.6
TY2BxN102M6KV	1000	20	6	9.0	20.0	23.0	6.5	25.0	10.0	0.7
TY2BxN152M6KV	1500	20	6	9.0	22.0	25.0	6.5	25.0	10.0	0.7
TY2BxN222M6KV	2200	20	6	9.0	28.0	32.0	6.5	25.0	10.0	0.7
TY2BxN242M6KV	2400	20	6	9.0	27.0	31.0	6.0	25.0	10.0	0.7
TY2BxN101M8KV	100	20	8	12.0	9.0	12.0	7.0	25.0	10.0	0.6
TY2BxN151M8KV	150	20	8	12.0	11.0	14.0	7.0	25.0	10.0	0.6
TY2BxN221M8KV	220	20	8	12.0	12.0	15.0	7.0	25.0	10.0	0.6
TY2BxN331M8KV	330	20	8	12.0	14.0	17.0	7.0	25.0	10.0	0.6
TY2BxN471M8KV	470	20	8	12.0	16.0	19.0	7.0	25.0	10.0	0.6
TY2BxN561M8KV	560	20	8	12.0	17.0	20.0	7.0	25.0	10.0	0.6
TY2BxN681M8KV	680	20	8	12.0	18.0	21.0	7.0	25.0	10.0	0.6
TY2BxN821M8KV	820	20	8	12.0	20.0	23.0	7.0	25.0	10.0	0.6
TY2BxN102M8KV	1000	20	8	12.0	21.0	24.0	7.5	25.0	10.0	0.7
TY2BxN152M8KV	1500	20	8	12.0	25.0	29.0	7.5	25.0	10.0	0.7
TY2BxN101M10KV	100	20	10	15.0	10.0	13.0	8.0	25.0	10.0	0.6
TY2BxN151M10KV	150	20	10	15.0	11.0	14.0	8.0	25.0	10.0	0.6
TY2BxN221M10KV	220	20	10	15.0	13.0	16.0	8.0	25.0	10.0	0.6
TY2BxN331M10KV	330	20	10	15.0	15.0	18.0	8.0	25.0	10.0	0.6
TY2BxN471M10KV	470	20	10	15.0	17.0	20.0	8.0	25.0	10.0	0.6
TY2BxN561M10KV	560	20	10	15.0	18.0	21.0	8.0	25.0	10.0	0.6
TY2BxN681M10KV	680	20	10	15.0	20.0	23.0	8.0	25.0	10.0	0.6
TY2BxN821M10KV	820	20	10	15.0	21.0	24.0	8.0	25.0	10.0	0.6
TY2BxN102M10KV	1000	20	10	15.0	23.0	27.0	8.5	25.0	10.0	0.7
TY2BxN152M10KV	1500	20	10	15.0	28.0	32.0	8.5	25.0	10.0	0.7
TY2BxN101M12KV	100	20	12	18.0	10.0	13.0	9.0	25.0	12.5	0.7
TY2BxN151M12KV	150	20	12	18.0	12.0	15.0	9.0	25.0	12.5	0.7
TY2BxN221M12KV	220	20	12	18.0	14.0	17.0	9.0	25.0	12.5	0.7
TY2BxN331M12KV	330	20	12	18.0	16.0	19.0	9.0	25.0	12.5	0.7
TY2BxN471M12KV	470	20	12	18.0	19.0	22.0	9.0	25.0	12.5	0.7
TY2BxN561M12KV	560	20	12	18.0	20.0	23.0	9.0	25.0	12.5	0.7
TY2BxN681M12KV	680	20	12	18.0	22.0	25.0	9.0	25.0	12.5	0.7
TY2BxN821M12KV	820	20	12	18.0	23.0	27.0	10.0	25.0	12.5	0.7
TY2BxN102M12KV	1000	20	12	18.0	26.0	30.0	10.0	25.0	12.5	0.7
TY2BxN101M15KV	100	20	15	22.5	12.0	15.0	11.0	25.0	12.5	0.7
TY2BxN151M15KV	150	20	15	22.5	14.0	18.0	11.0	25.0	12.5	0.7
TY2BxN221M15KV	220	20	15	22.5	16.0	19.0	11.0	25.0	12.5	0.7
TY2BxN331M15KV	330	20	15	22.5	19.0	22.0	11.0	25.0	12.5	0.7
TY2BxN471M15KV	470	20	15	22.5	21.0	24.0	11.0	25.0	12.5	0.7



## TY2 SERIES (BxN)

Part Number	C pF	Tolerance ±%	V <sub>RATE</sub> kV DC	V <sub>WITHSTAND</sub> kV	D <sup>1</sup> mm	H <sup>1</sup> mm	T <sup>1</sup> mm	L <sup>2</sup> mm	Ls <sup>3</sup> mm	d <sup>4</sup> mm
TY2BxN561M15KV	560	20	15	22.5	23.0	26.0	11.0	25.0	12.5	0.7
TY2BXN681M15KV	680	20	15	22.5	25.0	29.0	11.0	25.0	12.5	0.7
TY2BxN821M15KV	820	20	15	22.5	27.0	31.0	11.0	25.0	12.5	0.7
TY2BxN102M15KV	1000	20	15	22.5	30.0	35.0	11.0	25.0	12.5	0.7
TY2BxN101M20KV	100	20	20	30.0	13.0	17.0	13.0	25.0	12.5	0.7
TY2BxN151M20KV	150	20	20	30.0	15.0	19.0	13.0	25.0	12.5	0.7
TY2BxN221M20KV	220	20	20	30.0	17.0	21.0	13.0	25.0	12.5	0.7
TY2BxN331M20KV	330	20	20	30.0	20.0	24.0	13.0	25.0	12.5	0.7
TY2BxN471M20KV	470	20	20	30.0	23.0	27.0	13.0	25.0	12.5	0.7
TY2BxN561M20KV	560	20	20	30.0	25.0	29.0	13.0	25.0	12.5	0.7
TY2BxN681M20KV	680	20	20	30.0	27.0	31.0	13.0	25.0	12.5	0.7
TY2BxN821M20KV	820	20	20	30.0	30.0	34.0	13.0	25.0	12.5	0.7
TY2BxN102M20KV	1000	20	20	30.0	32.0	38.0	13.0	25.0	12.5	0.8

<sup>1</sup>Maximum dimension.

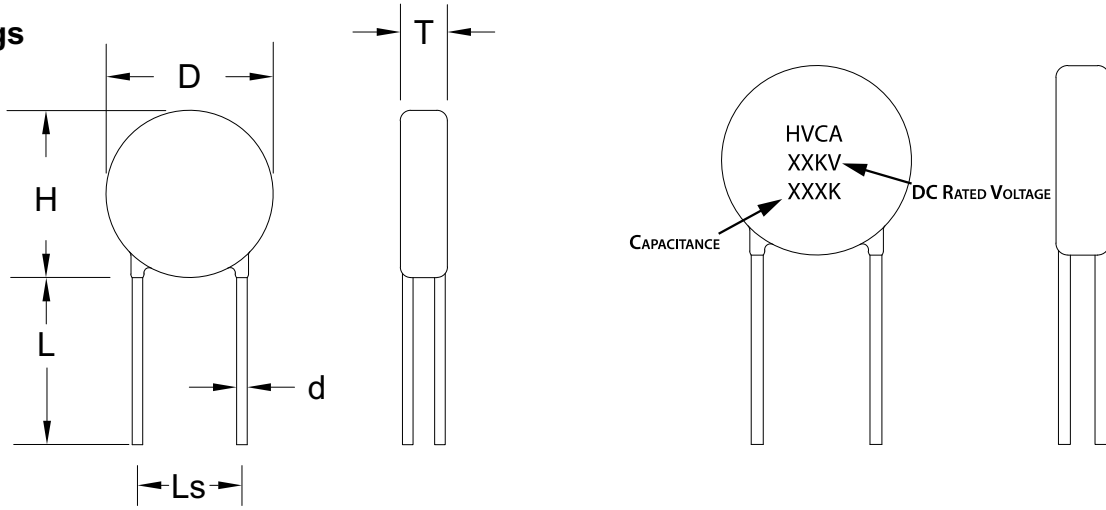
<sup>2</sup>Minimum dimension.

<sup>3</sup>Ls has a ±1.5mm tolerance.

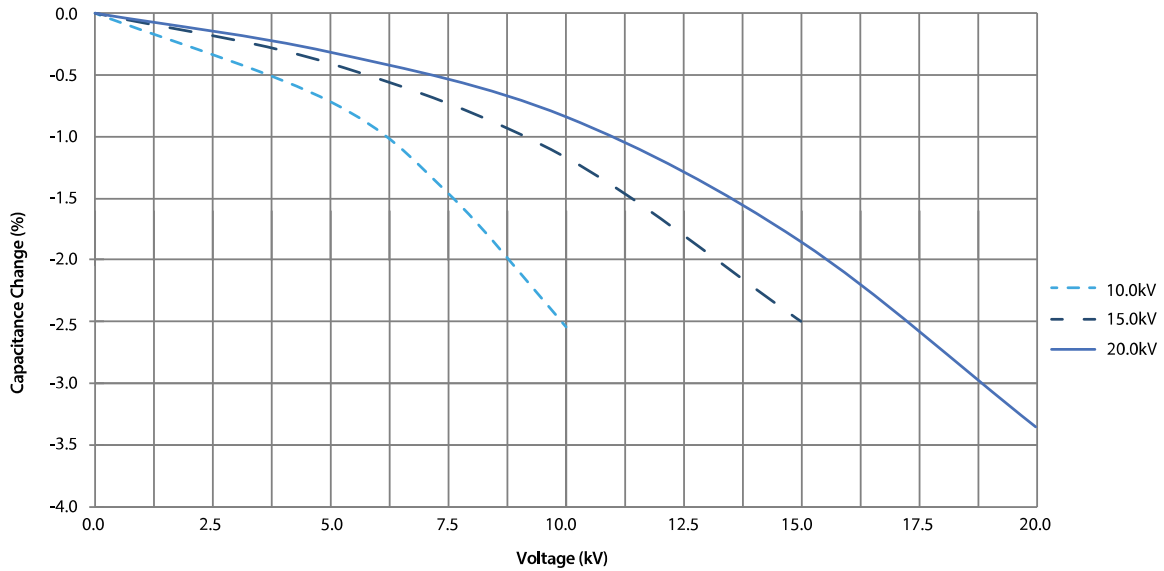
<sup>4</sup>Typical.



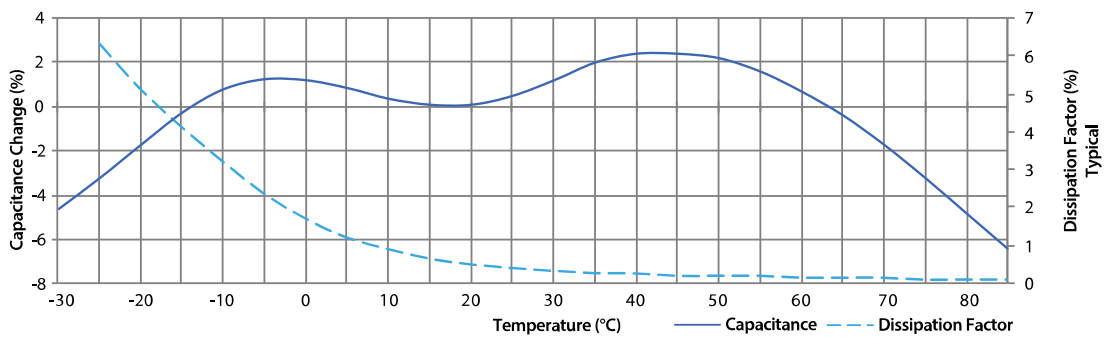
## Drawings



**BxN TYPICAL VOLTAGE CHARACTERISTICS CURVE**

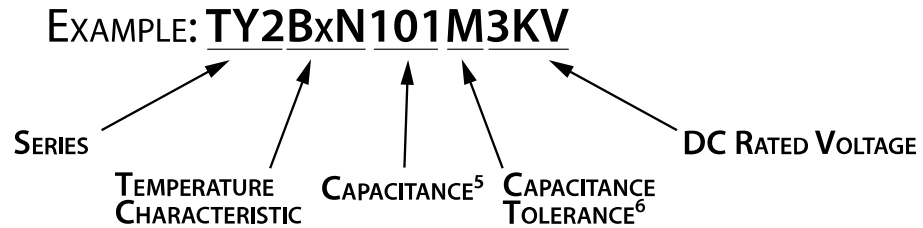


**BxN TYPICAL TEMPERATURE AND DISSIPATION CHARACTERISTICS CURVE**





## PART NUMBER DECODER:



<sup>5</sup>Capacitance decoder: 102 = 1000pF, expressed by three figures. The first and second figures are significant digits, and the third figure expresses the number of zeros which follows the two numbers. 0 = x1, 1 = x10, 2 = x100, 3 = x1000

<sup>6</sup>TY2BxN models are also offered with K and Z capacitance tolerances. Contact the factory for additional information.

## Additional Specifications

Specifications	
Operating Temperature Range	-25 to 100°C
Temperature Coefficient	-25 and +85°C
Dissipation Factor	Low

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

