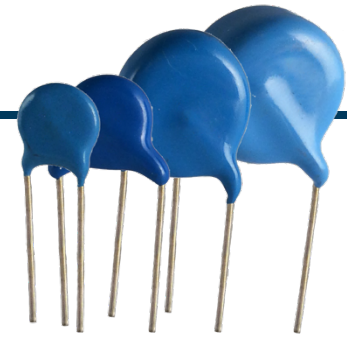




TY4 SERIES (BxN)

3 to 20kV
High Voltage Ceramic Capacitors



Features

- Radial Led Package
- BxN Temperature Characteristics

Specifications

Part Number	C pF	Tolerance ±%	V _{RATE} kV DC	V _{WITHSTAND} kV	D ¹ mm	H ¹ mm	T ¹ mm	L ² mm	Ls ³ mm	d ⁴ mm
TY4BxN101M3KV	100	20	3	6.0	8.0	11.0	5.0	25.0	10.0	0.6
TY4BxN151M3KV	150	20	3	6.0	9.0	12.0	5.0	25.0	10.0	0.6
TY4BxN221M3KV	220	20	3	6.0	10.0	13.0	5.0	25.0	10.0	0.6
TY4BxN331M3KV	330	20	3	6.0	11.0	14.0	5.0	25.0	10.0	0.6
TY4BxN471M3KV	470	20	3	6.0	12.0	15.0	5.0	25.0	10.0	0.6
TY4BxN561M3KV	560	20	3	6.0	13.0	16.0	5.0	25.0	10.0	0.6
TY4BxN681M3KV	680	20	3	6.0	14.0	17.0	5.0	25.0	10.0	0.6
TY4BxN821M3KV	820	20	3	6.0	15.0	18.0	5.0	25.0	10.0	0.6
TY4BxN102M3KV	1000	20	3	6.0	16.0	19.0	5.0	25.0	10.0	0.6
TY4BxN152M3KV	1500	20	3	6.0	19.0	22.0	5.0	25.0	10.0	0.6
TY4BxN222M3KV	2200	20	3	6.0	22.0	25.0	5.5	25.0	10.0	0.7
TY4BxN272M3KV	2700	20	3	6.0	24.0	28.0	5.5	25.0	10.0	0.7
TY4BxN332M3KV	3300	20	3	6.0	26.0	30.0	5.5	25.0	10.0	0.7
TY4BxN101M4KV	100	20	4	8.0	8.0	11.0	5.0	25.0	10.0	0.6
TY4BxN151M4KV	150	20	4	8.0	9.0	12.0	5.0	25.0	10.0	0.6
TY4BxN221M4KV	220	20	4	8.0	10.0	13.0	5.0	25.0	10.0	0.6
TY4BxN331M4KV	330	20	4	8.0	11.0	14.0	5.0	25.0	10.0	0.6
TY4BxN471M4KV	470	20	4	8.0	13.0	16.0	5.0	25.0	10.0	0.6
TY4BxN561M4KV	560	20	4	8.0	14.0	17.0	5.0	25.0	10.0	0.6
TY4BxN681M4KV	680	20	4	8.0	15.0	18.0	5.0	25.0	10.0	0.6
TY4BxN821M4KV	820	20	4	8.0	16.0	19.0	5.0	25.0	10.0	0.6
TY4BxN102M4KV	1000	20	4	8.0	18.0	21.0	5.0	25.0	10.0	0.6
TY4BxN152M4KV	1500	20	4	8.0	20.0	23.0	5.0	25.0	10.0	0.6
TY4BxN222M4KV	2200	20	4	8.0	24.0	28.0	5.0	25.0	10.0	0.7
TY4BxN272M4KV	2700	20	4	8.0	26.0	30.0	5.0	25.0	10.0	0.7
TY4BxN101M5KV	100	20	5	10.0	8.0	11.0	6.0	25.0	10.0	0.6
TY4BxN151M5KV	150	20	5	10.0	9.0	12.0	6.0	25.0	10.0	0.6
TY4BxN221M5KV	220	20	5	10.0	11.0	14.0	6.0	25.0	10.0	0.6
TY4BxN331M5KV	330	20	5	10.0	12.0	15.0	6.0	25.0	10.0	0.6
TY4BxN471M5KV	470	20	5	10.0	14.0	17.0	6.0	25.0	10.0	0.6
TY4BxN561M5KV	560	20	5	10.0	15.0	18.0	6.0	25.0	10.0	0.6
TY4BxN681M5KV	680	20	5	10.0	16.0	19.0	6.0	25.0	10.0	0.6
TY4BxN821M5KV	820	20	5	10.0	17.0	20.0	6.0	25.0	10.0	0.6
TY4BxN102M5KV	1000	20	5	10.0	19.0	22.0	6.0	25.0	10.0	0.6
TY4BxN152M5KV	1500	20	5	10.0	22.0	25.0	7.0	25.0	10.0	0.7
TY4BxN222M5KV	2200	20	5	10.0	27.0	31.0	7.0	25.0	10.0	0.7



TY4 SERIES (BxN)

Part Number	C pF	Tolerance ±%	V _{RATE} kV DC	V _{WITHSTAND} kV	D ¹ mm	H ¹ mm	T ¹ mm	L ² mm	LS ³ mm	d ⁴ mm
TY4BxN101M6KV	100	20	6	12.0	9.0	12.0	7.0	25.0	10.0	0.6
TY4BxN151M6KV	150	20	6	12.0	11.0	14.0	7.0	25.0	10.0	0.6
TY4BxN221M6KV	220	20	6	12.0	12.0	15.0	7.0	25.0	10.0	0.6
TY4BxN331M6KV	330	20	6	12.0	14.0	17.0	7.0	25.0	10.0	0.6
TY4BxN471M6KV	470	20	6	12.0	16.0	19.0	7.0	25.0	10.0	0.6
TY4BxN561M6KV	560	20	6	12.0	17.0	20.0	7.0	25.0	10.0	0.6
TY4BxN681M6KV	680	20	6	12.0	18.0	21.0	7.0	25.0	10.0	0.6
TY4BxN821M6KV	820	20	6	12.0	20.0	23.0	7.0	25.0	10.0	0.6
TY4BxN102M6KV	1000	20	6	12.0	21.0	24.0	8.0	25.0	10.0	0.7
TY4BxN152M6KV	1500	20	6	12.0	25.0	29.0	8.0	25.0	10.0	0.7
TY4BxN101M8KV	100	20	8	16.0	10.0	13.0	8.0	25.0	10.0	0.6
TY4BxN151M8KV	150	20	8	16.0	11.0	14.0	8.0	25.0	10.0	0.6
TY4BxN221M8KV	220	20	8	16.0	13.0	16.0	8.0	25.0	10.0	0.6
TY4BxN331M8KV	330	20	8	16.0	15.0	18.0	8.0	25.0	10.0	0.6
TY4BxN471M8KV	470	20	8	16.0	17.0	20.0	8.0	25.0	10.0	0.6
TY4BxN561M8KV	560	20	8	16.0	18.0	21.0	8.0	25.0	10.0	0.6
TY4BxN681M8KV	680	20	8	16.0	20.0	23.0	8.0	25.0	10.0	0.6
TY4BxN821M8KV	820	20	8	16.0	21.0	24.0	8.0	25.0	10.0	0.6
TY4BxN102M8KV	1000	20	8	16.0	24.0	28.0	9.0	25.0	10.0	0.7
TY4BxN152M8KV	1500	20	8	16.0	29.0	33.0	9.0	25.0	10.0	0.7
TY4BxN101M10KV	100	20	10	20.0	10.0	13.0	9.5	25.0	10.0	0.7
TY4BxN151M10KV	150	20	10	20.0	12.0	15.0	9.5	25.0	10.0	0.7
TY4BxN221M10KV	220	20	10	20.0	14.0	17.0	9.5	25.0	10.0	0.7
TY4BxN331M10KV	330	20	10	20.0	16.0	19.0	9.5	25.0	10.0	0.7
TY4BxN471M10KV	470	20	10	20.0	19.0	22.0	9.5	25.0	10.0	0.7
TY4BxN561M10KV	560	20	10	20.0	20.0	23.0	9.5	25.0	10.0	0.7
TY4BxN681M10KV	680	20	10	20.0	22.0	25.0	9.5	25.0	10.0	0.7
TY4BxN821M10KV	820	20	10	20.0	23.0	27.0	9.5	25.0	10.0	0.7
TY4BxN102M10KV	1000	20	10	20.0	26.0	30.0	9.5	25.0	10.0	0.7
TY4BxN101M12KV	100	20	12	24.0	11.0	15.0	10.0	25.0	12.5	0.7
TY4BxN151M12KV	150	20	12	24.0	13.0	17.0	10.0	25.0	12.5	0.7
TY4BxN221M12KV	220	20	12	24.0	15.0	19.0	10.0	25.0	12.5	0.7
TY4BxN331M12KV	330	20	12	24.0	18.0	22.0	10.0	25.0	12.5	0.7
TY4BxN471M12KV	470	20	12	24.0	20.0	24.0	10.0	25.0	12.5	0.7
TY4BxN561M12KV	560	20	12	24.0	23.0	27.0	10.0	25.0	12.5	0.7
TY4BxN681M12KV	680	20	12	24.0	26.0	30.0	10.0	25.0	12.5	0.7
TY4BxN821M12KV	820	20	12	24.0	28.0	32.0	10.0	25.0	12.5	0.7
TY4BxN102M12KV	1000	20	12	24.0	30.0	34.0	10.0	25.0	12.5	0.7
TY4BxN101M15KV	100	20	15	30.0	12.0	16.0	11.0	25.0	12.5	0.7
TY4BxN151M15KV	150	20	15	30.0	14.0	18.0	11.0	25.0	12.5	0.7
TY4BxN221M15KV	220	20	15	30.0	16.0	20.0	11.0	25.0	12.5	0.7
TY4BxN331M15KV	330	20	15	30.0	19.0	23.0	11.0	25.0	12.5	0.7
TY4BxN471M15KV	470	20	15	30.0	22.0	26.0	11.0	25.0	12.5	0.7
TY4BxN561M15KV	560	20	15	30.0	24.0	28.0	11.0	25.0	12.5	0.7
TY4BxN681M15KV	680	20	15	30.0	27.0	31.0	11.0	25.0	12.5	0.7
TY4BxN821M15KV	820	20	15	30.0	29.0	33.0	11.0	25.0	12.5	0.7

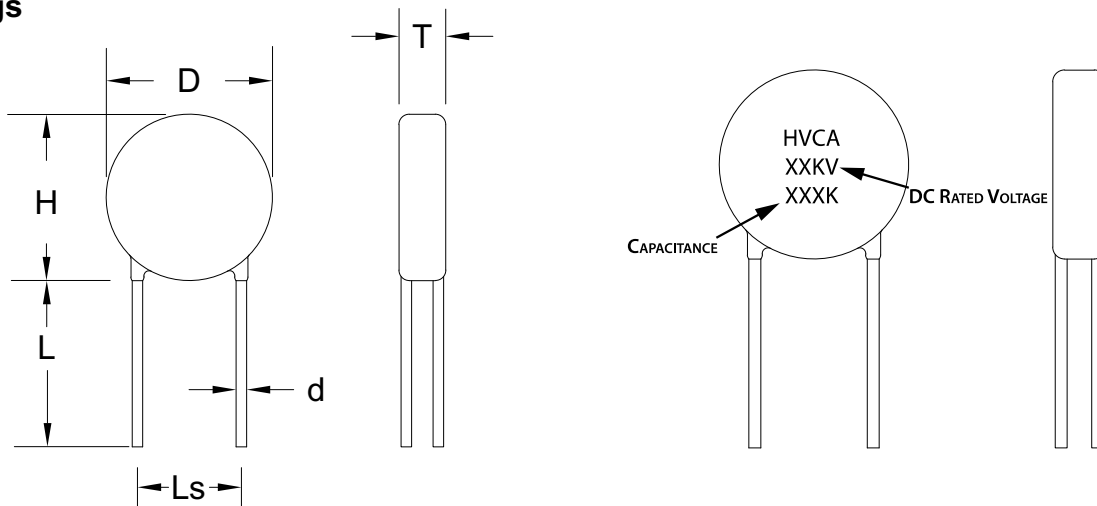


TY4 SERIES (BxN)

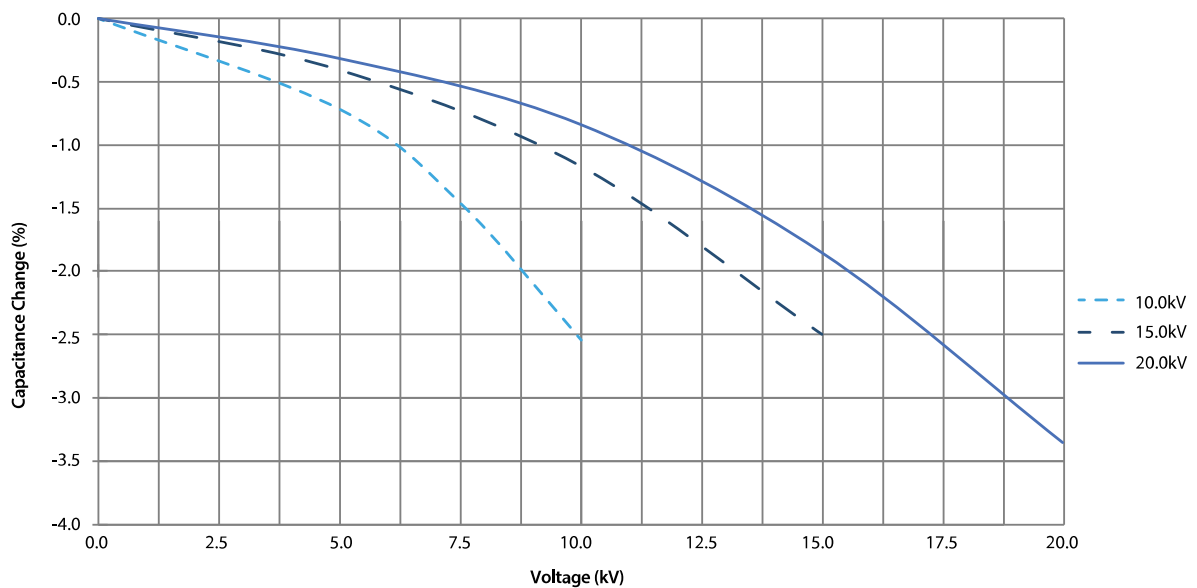
Part Number	C pF	Tolerance ±%	V _{RATE} kV DC	V _{WITHSTAND} kV	D ¹ mm	H ¹ mm	T ¹ mm	L ² mm	Ls ³ mm	d ⁴ mm
TY4BxN101M20KV	100	20	20	40.0	15.0	19.0	14.0	25.0	12.5	0.8
TY4BxN151M20KV	150	20	20	40.0	17.0	21.0	14.0	25.0	12.5	0.8
TY4BxN221M20KV	220	20	20	40.0	20.0	24.0	14.0	25.0	12.5	0.8
TY4BxN331M20KV	330	20	20	40.0	22.0	26.0	14.0	25.0	12.5	0.8
TY4BxN471M20KV	470	20	20	40.0	26.0	30.0	14.0	25.0	12.5	0.8
TY4BxN561M20KV	560	20	20	40.0	28.0	32.0	14.0	25.0	12.5	0.8
TY4BxN681M20KV	680	20	20	40.0	30.0	34.0	14.0	25.0	12.5	0.8

¹Maximum dimension. ²Minimum dimension. ³Ls has a ±1.5mm tolerance. ⁴Typical.

Drawings

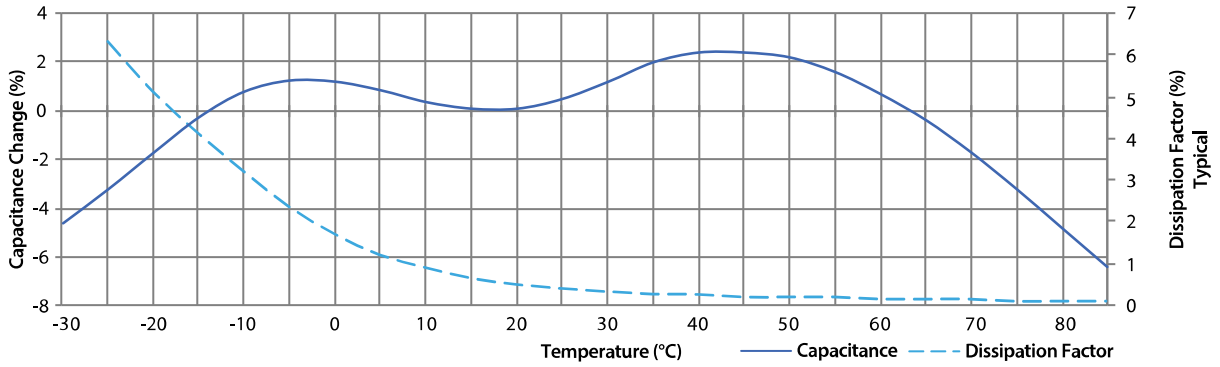


BxN TYPICAL VOLTAGE CHARACTERISTICS CURVE

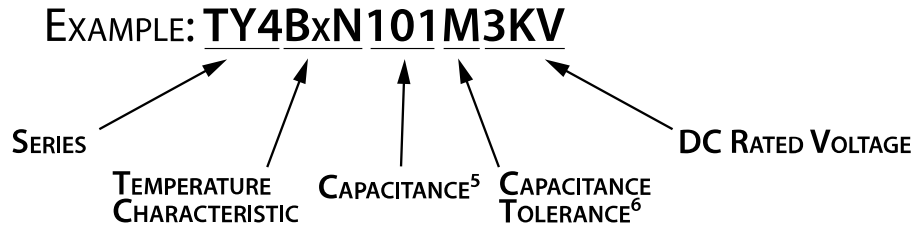




BxN TYPICAL TEMPERATURE AND DISSIPATION CHARACTERISTICS CURVE



PART NUMBER DECODER:



⁵Capacitance 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

⁶TY4BxN 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