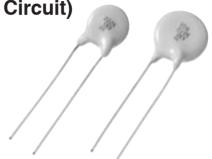
High Voltage Ceramic Disc Capacitors (For DC Circuit)

Series: S Char. B/Y5P, 1 to 3 kVDC Series: MEH Char. E/Y5U. 1 to 3 kVDC



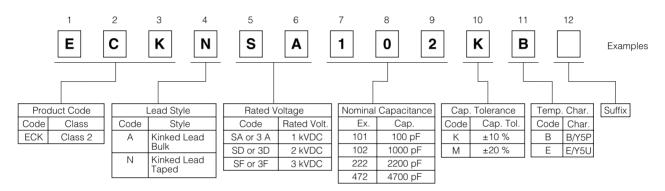
■ Features

- Miniature type for applications to high voltage DC circuits
- Flame-retardant insulation coating applied
- Easy mounting through kinked Lead and Radial Taping

■ Recommended Applications

DC or Low frequency High Voltage circuits.
(Please use series KBP or series KRP to High frequency or pulse circuit such as Snubber circuit of switching power supply or Horizontal resonance circuit of TV and CRT display)

■ Explanation of Part Numbers



■ Specifications

Characteristics	Specifications						
Operating	−25 to105 °C						
Temperature Range							
Rated Voltage	1 kVDC to 3 kVDC						
Dielectric	200 % of Rated Voltage for 1 to 5 seconds						
Withstanding Voltage							
Capacitance	Within specified tolerance, when measured at 1 kHz±20 %, 1 to 5 Vrms, and 20 °C						
Dissipation Factor ($ an\delta$)	tan $\delta \le 0.025$ at 1 kHz \pm 20 %, 1 to 5 Vrms, and 20 °C						
Insulation Resistance	10000 M Ω min. at 500 VDC 1 minute electrification						
	Siriese	Char.	max.Cap.Change	Temp.Range			
Temperature Characteristics	S	В	±10 %	–25 to 85 °C			
ondraotonotios	MEH	Е	+20, -55 %	–25 to 85 °C			

■ Precautions for Handling

See Page 93 to 95

Packaging Information

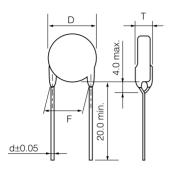
See Page 96 to 97

■ Dimensions in mm (not to scale)

Standard lead style are kinked Lead and Kinked Lead Taping as below.

As usual style as Straight Lead, Straight Lead Taping and Crimped Lead Taping are available on special order.

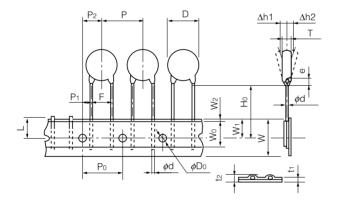
Kinked Leaf Type

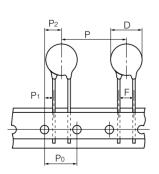


Note:Tolerance of Lead Space

Dim. F (Nominal)	Tolerance of Dim. F
5.0	±1.0
7.5	±1.5
10.0	±1.5

Kinked Lead Taping type





Taping Type Symbol	N0	N1	N2							
Р	12.7±1.0	15.0±2.0	30.0±2.0							
Po	12.7±0.3	15.0	±0.3							
F	5.0±0.8	7.5±1.0								
P ₁	3.85±0.70	3.75	±0.80							
P ₂	6.35±1.30	7.5	±1.5							
D	To comply with	n each individua	I specification							
W		18.0 ^{+1.0} _{-0.5}								
Wo		10.0 min.								
W ₁	9.0±0.5									
W_2	3.0 max.									
Ho	18.0 ^{-2.0}									
е		4.0 max.								
ϕD_0		4.0±0.2								
ϕ d	0.60±0.05									
t ₁	0.6±0.3									
t ₂	1.5 max.									
Т	To comply with each individual specification									
Δh_1 , Δh_2		2.0 max.								
L	11.0 max.									

Same dimensions as Type N0, N1 except for special dimensions.

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- Rating and Characteristics
- Series KB (Class 2, Temp. Char. B/Y5P, 1 to 3 kVDC)

		Сар.	Dimension	s in mm	Kinked Lead T	ype (Bu	Kinked Lead Taping Type				
	Cap.	Tol.	D	Т		Dimensions in mm			Taped Dimensions in		
Volt.	in pF	(%)	max.	max.	Part Number	F	d	Part Number	Туре	F	d
1 kVDC	100	±10	6.0	5.5	ECKASA101KB	5.0	0.60	ECKNSA101KB	NO	5.0	0.60
	150	±10	6.0	5.5	ECKASA151KB	5.0	0.60	ECKNSA151KB	N0	5.0	0.60
	220	±10	6.0	5.5	ECKASA221KB	5.0	0.60	ECKNSA221KB	NO	5.0	0.60
	330	±10	6.0	5.5	ECKASA331KB	5.0	0.60	ECKNSA331KB	NO	5.0	0.60
	470	±10	6.0	5.5	ECKASA471KB	5.0	0.60	ECKNSA471KB	N0	5.0	0.60
	680	±10	6.0	5.5	ECKASA681KB	5.0	0.60	ECKNSA681KB	N0	5.0	0.60
	1000	±10	6.5	5.5	ECKASA102KB	5.0	0.60	ECKNSA102KB	NO	5.0	0.60
	1500	±10	7.5	5.5	ECKASA152KB	5.0	0.60	ECKNSA152KB	N0	5.0	0.60
	2200	±10	9.0	5.5	ECKASA222KB	5.0	0.60	ECKNSA222KB	N0	5.0	0.60
	3300	±10	10.0	5.5	ECKASA332KB	5.0	0.60	ECKNSA332KB	NO	5.0	0.60
	4700	±10	12.0	5.5	ECKASA472KB	5.0	0.60	ECKNSA472KB	N0	5.0	0.60
	100	±10	6.0	5.5	ECKASD101KB	5.0	0.60	ECKNSD101KB	N0	5.0	0.60
	150	±10	6.0	5.5	ECKASD151KB	5.0	0.60	ECKNSD151KB	NO	5.0	0.60
	220	±10	6.0	5.5	ECKASD221KB	5.0	0.60	ECKNSD221KB	NO	5.0	0.60
	330	±10	6.0	5.5	ECKASD331KB	5.0	0.60	ECKNSD331KB	NO	5.0	0.60
	470	±10	6.0	5.5	ECKASD471KB	5.0	0.60	ECKNSD471KB	NO	5.0	0.60
2 kVDC	680	±10	6.5	5.5	ECKASD681KB	5.0	0.60	ECKNSD681KB	N0	5.0	0.60
	1000	±10	7.5	5.5	ECKASD102KB	5.0	0.60	ECKNSD102KB	NO	5.0	0.60
	1500	±10	9.0	5.5	ECKASD152KB	5.0	0.60	ECKNSD152KB	NO	5.0	0.60
	2200	±10	10.5	5.5	ECKASD222KB	5.0	0.60	ECKNSD222KB	N0	5.0	0.60
	3300	±10	12.0	5.5	ECKASD332KB	5.0	0.60	ECKNSD332KB	NO	5.0	0.60
	4700	±10	14.5	5.5	ECKASD472KB	10.0	0.65	ECKNSD472KB	N2	7.5	0.65
	100	±10	6.0	5.5	ECKASF101KB	7.5	0.65	ECKNSF101KB	N1	7.5	0.65
	150	±10	6.0	5.5	ECKASF151KB	7.5	0.65	ECKNSF151KB	N1	7.5	0.65
	220	±10	6.0	5.5	ECKASF221KB	7.5	0.65	ECKNSF221KB	N1	7.5	0.65
3 kVDC	330	±10	6.0	5.5	ECKASF331KB	7.5	0.65	ECKNSF331KB	N1	7.5	0.65
	470	±10	7.0	5.5	ECKASF471KB	7.5	0.65	ECKNSF471KB	N1	7.5	0.65
	680	±10	8.0	5.5	ECKASF681KB	7.5	0.65	ECKNSF681KB	N1	7.5	0.65
	1000	±10	9.0	5.5	ECKASF102KB	7.5	0.65	ECKNSF102KB	N1	7.5	0.65
	1500	±10	11.0	5.5	ECKASF152KB	7.5	0.65	ECKNSF152KB	N1	7.5	0.65
	2200	±10	13.0	5.5	ECKASF222KB	7.5	0.65	ECKNSF222KB	N1	7.5	0.65

Note:Lead spacing (Dim. F) of 5.0 mm is available for rated voltage 3 kVDC capacitors that are 11.0 mm or less in the body diameter (Dim. D) by special order.

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■ Rating and Characteristics

Series MEH (Class 2, Temp. Char. E/Y5U, 1 to 3 kVDC)

Rated	Cap.	Cap.	Dimensions in mm		Kinked Lead Type (Bulk)			Kinked Lead Taping Type			
		Tol.	D	Т	Part Number	Dimensions in mm		Part Number	Taped	Dimension	ons in mm
Volt.		(%)	max.	max.	rait Nullibel	F	d	raitivumber	Туре	F	d
	680	±20	7.0	5.0	ECKA3A681MEH	5.0	0.60	ECKN3A681MEH	N0	5.0	0.60
	1000	±20	7.0	5.0	ECKA3A102MEH	5.0	0.60	ECKN3A102MEH	N0	5.0	0.60
	1500	±20	7.0	5.0	ECKA3A152MEH	5.0	0.60	ECKN3A152MEH	N0	5.0	0.60
1 1//00	2200	±20	8.0	5.0	ECKA3A222MEH	5.0	0.60	ECKN3A222MEH	N0	5.0	0.60
1 kVDC	3300	±20	9.0	5.0	ECKA3A332MEH	5.0	0.60	ECKN3A332MEH	N0	5.0	0.60
	4700	±20	10.5	5.0	ECKA3A472MEH	5.0	0.60	ECKN3A472MEH	N0	5.0	0.60
	6800	±20	12.5	5.0	ECKA3A682MEH	5.0	0.60	ECKN3A682MEH	N1	7.5	0.65
	10000	±20	15.0	5.0	ECKA3A103MEH	10.0	0.65	ECKN3A103MEH	N2	7.5	0.65
	1000	±20	8.0	6.0	ECKA3D102MEH	7.5	0.65	ECKN3D102MEH	N1	7.5	0.65
	1500	±20	9.5	6.0	ECKA3D152MEH	7.5	0.65	ECKN3D152MEH	N1	7.5	0.65
2 kVDC	2200	±20	10.0	6.0	ECKA3D222MEH	7.5	0.65	ECKN3D222MEH	N1	7.5	0.65
ZKVDC	3300	±20	12.5	6.0	ECKA3D332MEH	7.5	0.65	ECKN3D332MEH	N1	7.5	0.65
	4700	±20	14.5	6.0	ECKA3D472MEH	10.0	0.65	ECKN3D472MEH	N2	7.5	0.65
	6800	±20	15.5	6.0	ECKA3D682MEH	10.0	0.65	ECKN3D682MEH	N2	7.5	0.65
	1000	±20	9.0	7.0	ECKA3F102MEH	7.5	0.65	ECKN3F102MEH	N1	7.5	0.65
3 kVDC	1500	±20	11.0	7.0	ECKA3F152MEH	7.5	0.65	ECKN3F152MEH	N1	7.5	0.65
	2200	±20	12.0	7.0	ECKA3F222MEH	7.5	0.65	ECKN3F222MEH	N1	7.5	0.65
	3300	±20	14.5	7.0	ECKA3F332MEH	10.0	0.65	ECKN3F332MEH	N2	7.5	0.65
	4700	±20	16.5	7.0	ECKA3F472MEH	10.0	0.65	ECKN3F472MEH	N2	7.5	0.65

Note:Lead spacing (Dim. F) of 5.0 mm is available for rated voltage 2 kVDC and 3 kVDC capacitors that are 11.0 mm or less in the body diameter (Dim. D) by special order.

■ Typical Temperature Characteristics

