

Series Line-up

■ Hybrid Conductive Polymer Type **EP-cap**

Classification	Series	Page	Features	High Cap.	Low ESR	Long Life	Solvent Proof	AEC-Q200	Category Temperature Range(°C)	Rated Voltage Range(V.DC)	Rated Capacitance Range(μF)	External Appearance	Marking Color
Surface Mount Type	F V L	19	105°C, 125°C		●		●	●	-55 to +125	6.3 to 10	100 to 1000	—	Blue
	HVHZ/ H V H	20	105°C Long Life		●	●	●	●	-55 to +105	16 to 125	6.8 to 560	—	Blue
	HVPZ/ H V P	21	125°C		●		●	●	-55 to +125	16 to 125	6.8 to 560	—	Blue
	H V T	22	135°C		●		●	●	-55 to +135	25 to 63	10 to 330	—	Blue
	H V J	★	150°C		●		●	●	-55 to +150	25 to 63	15 to 68	—	Blue
	H V H F	23	105°C High Capacitance	●	●	●	●	●	-55 to +105	25 to 100	10 to 470	—	Blue
	H V P F	24	125°C High Capacitance	●	●		●	●	-55 to +125	25 to 100	10 to 470	—	Blue
	H V P X	25	125°C High Ripple	●	●		●	●	-55 to +125	25 to 80	22 to 470	—	Blue
	H V T X	26	135°C High Ripple		●	●	●	●	-55 to +135	25 to 35	47 to 470	—	Blue
	H V H Y	27	105°C High Ripple		●	●	●	●	-55 to +105	25 to 35	150 to 470	—	Blue
	H V P Y	28	125°C High Ripple		●		●	●	-55 to +125	25 to 35	270 to 470	—	Blue
	H V T Y	29	135°C High Ripple		●	●	●	●	-55 to +135	25 to 35	270 to 470	—	Blue
	UP GRADE H V H C	30	105°C High Capacitance	●	●		●	●	-55 to +105	16 to 35	56 to 820	—	Blue
	UP GRADE H V P C	31	125°C High Capacitance	●	●		●	●	-55 to +125	16 to 35	33 to 820	—	Blue
	UP GRADE F V C	32	125°C, 135°C High Capacitance	●	●	●	●	●	-55 to +135	16 to 35	220 to 1800	—	Blue
	NEW F V F P	33	125°C, 135°C High Ripple		●	●	●	●	-55 to +135	16	330 to 1000	—	Blue
	F V F	34	150°C Long Life, High Ripple		●	●	●	●	-55 to +150	25 to 80	22 to 680	—	Blue
	F V S	35	125°C, -16V Proof		●		●	●	-55 to +125	35	47 to 220	—	Blue
Radial Lead Type	H E H	★	105°C		●	●	●	●	-55 to +105	50 to 100	10 to 82	—	Blue
	H E H Z	★	105°C Long Life		●	●	●	●	-55 to +105	16 to 35	47 to 560	—	Blue
	H E P Z	★	125°C		●		●	●	-55 to +125	16 to 35	47 to 560	—	Blue
	H E H F	★	105°C High Capacitance	●	●	●	●	●	-55 to +105	25 to 100	10 to 470	—	Blue
	H E P F	★	125°C High Capacitance	●	●		●	●	-55 to +125	25 to 100	10 to 470	—	Blue
	UP GRADE H E P C	★	125°C High Capacitance	●	●		●	●	-55 to +125	16 to 35	100 to 820	—	Blue
	NEW F E C	36	125°C, 135°C High Capacitance	●	●	●	●	●	-55 to +135	16 to 35	220 to 1800	—	Blue
	NEW F E F	37	125°C, 135°C High Ripple		●	●	●	●	-55 to +135	25 to 80	22 to 680	—	Blue

■ Aluminum Electrolytic Type

Classification	Series	Page	Features	Small & Thin type	Low Impedance	Long Life	Solvent Proof	AEC-Q200	Category Temperature Range(°C)	Rated Voltage Range(V.DC)	Rated Capacitance Range(μF)	External Appearance	Marking Color
Surface Mount Type	C E - L D	39	4.5mm Height, Long Life	●		●	●	●	-40 to +105	6.3 to 50	10 to 100	—	Black ★ 2
	C E - F S S	40	105°C Small, High Capacitance	●			●	●	-40 to +105	6.3 to 50	4.7 to 220	—	Black
	C E - F S	41	105°C Standard					●	-40 to +105	160 to 400	2.2 to 82	—	Black ★ 2
		42					●	●	-55 to +105	6.3 to 63	0.47 to 12000		
							●	●	-40 to +105	100	1.0 to 330		
	C E - A X	44	Low Impedance		●		●	●	-55 to +105	6.3 to 50	4.7 to 6800	—	Black ★ 2
	C E - Z X	46	Super Low ESR		●		●	●	-55 to +105	6.3 to 50	33 to 1800	—	Black
	UP GRADE C E - Z C	47	Super Low ESR, Small, High Capacitance	●	●		●	●	-55 to +105	6.3 to 63	47 to 4700	—	Black
	C E - L X	48	Low Impedance, Long Life		●	●	●	●	-55 to +105	6.3 to 100	4.7 to 12000	—	Black ★ 2
	C E - G A	50	5.4mm Height, Low Impedance		●		●	●	-55 to +105	6.3 to 63	1.0 to 220	—	Black
	C E - L S	51	Low Impedance, Long Life		●	●	●	●	-40 to +105	6.3 to 50	10 to 330	—	Black
	C E - L H	52	Long Life			●	●	●	-40 to +105	6.3 to 50	1.0 to 220	—	Black
		53				●		●	-40 to +105	160 to 400	2.2 to 120		
	C E - L L	54	Low Impedance, Long Life		●	●	●	●	-40 to +105	6.3 to 50	10 to 1000	—	Black
	C E - L F	55	Low Impedance, Long Life		●	●	●	●	-40 to +105	16 to 50	100 to 470	—	Black
	C E - P C	56	125°C				●	●	-55 to +125	6.3 to 100	2.2 to 4700	—	Black
	C E - P H	58	125°C Low ESR, High Capacitance		●		●	●	-40 to +125	16 to 63	10 to 3900	—	Black
	UP GRADE C E - P S	60	125°C High Capacitance	●			●	●	-40 to +125	16 to 63	47 to 680	—	Black
	C E - P F	61	125°C Long Life, High Ripple			●	●	●	-40 to +125	25 to 35	100 to 330	—	Black
	NEW C E - P B	62	125°C High Capacitance				●	●	-40 to +125	25 to 35	1300 to 3300	—	Black
	C E - T H	63	135°C			●	●	●	-40 to +135	16 to 50	22 to 1000	—	Black
	C E - J X	64	150°C				●	●	-40 to +150	25 to 35	100 to 470	—	Black
	C E - F N	65	105°C Bi-polar				●	●	-55 to +105	6.3 to 63	1.0 to 47	—	Black

★ 2 Some of specified case sizes' parts will be discontinued. (4×4.5, 5×4.5, 10×7.7)

Please refer to <http://www.sunelec.co.jp> for the information where ★ marking is indicated.

Series Line-up

■ Aluminum Electrolytic Type

Classification	Series	Page	Features	Small & Thin type	Low Impedance	Long Life	Solvent Proof	Category Temperature Range(°C)	Rated Voltage Range(V.DC)	Rated Capacitance Range(μF)	External Appearance	Marking Color
Radial Lead Type	ME-SZ	66	7mm Height, Temperature of Wide Range	●			●	-55 to +105	6.3 to 50	1.0 to 330	Green	White
	ME-SAX	67	7mm Height, Low Impedance	●	●		●	-55 to +105	6.3 to 35	4.7 to 330	Green	Gold
	ME-SWG	68	7mm Height, Low ESR	●	●			-40 to +105	6.3 to 35	22 to 330	Black	Gold
	ME-LS	69	Long Life, High Reliability		●	●	●	-40 to +105	6.3 to 50	1.0 to 1000	Black	Silver
	ME-CZ	70	Small Standard, Temperature of Wide Range	●			●	-55 to +105	6.3 to 100	2.2 to 15000	Green	White
	ME-CA	72	Small Standard, Low Impedance	●	●			-55 to +105	6.3 to 50	2.2 to 15000	Green	Silver
	ME-CX	74	Small, Low Impedance	●	●		●	-55 to +105	6.3 to 35	47 to 15000	Green	Gold
	ME-AX	76	Low Impedance, Long Life		●	●	●	-55 to +105 -40 to +105	6.3 to 63 100	4.7 to 12000 5.6 to 470	Green	Gold
	ME-WX	78	Low Impedance, High Ripple		●			-40 to +105	6.3 to 50	22 to 6800	Green	Gold
	ME-WA	80	Low Impedance, High Ripple, Long Life		●	●		-40 to +105	6.3 to 63	82 to 8200	Black	Gold
	ME-WL	82	Low Impedance, Long Life	●	●	●		-40 to +105	6.3 to 100	2.2 to 470	Green	Silver
	ME-WG	83	Super Low ESR		●			-40 to +105	6.3 to 25	220 to 3300	Green	Gold
	ME-FX	84	Long Life			●	●	-40 to +105	10 to 100	2.2 to 470	Black	White
	ME-FC	85	Guaranteed 105°C (Mid. & High Voltage)					-40 to +105 -25 to +105	160 to 400 450	0.47 to 220 22 to 47	Black	White
	ME-FD	85	105°C, Low Profile (Mid. & High Voltage)					-40 to +105 -25 to +105	160 to 400 450	22 to 220 10 to 33	Black	White
	ME-FH	86	105°C, Long Life (Mid. & High Voltage)			●		-40 to +105 -25 to +105	160 to 400 450	4.7 to 220 6.8 to 68	Black	White
	ME-SWN	87	7mm Height, Bi-polar	●			●	-40 to +85	6.3 to 50	1.0 to 47	Black	White
	ME-HWN	88	Small, Standard, Bi-polar	●			●	-40 to +85	6.3 to 100	1.0 to 2200	Black	White

★2 Some of specified case sizes' parts will be discontinued. (8×15, 8×20)

Please contact us for AEC-Q200 requirements.

Standardization Notice

For all new design, please place your orders with the suggested alternative series.

■ Aluminum Electrolytic Type

Surface Mount Type

Series	Features	alternative series
CE-BD ★2, ★3	4.5mm Height	CE-LD
CE-FD ★2	105°C 4.5mm Height	
CE-BSS	Small, Standard	CE-FSS
CE-BS ★3	Standard	CE-FS
CE-FH	Long Life	CE-LX
CE-KX	Low Impedance	
CE-NP ★1	Bi-polar	CE-FN

Radial Lead Type

Series	Features	alternative series
ME-UW ★1	5mm Height	—
ME-UZ ★1	5mm Height, Temperature of Wide Range	
ME-UAX ★1	5mm Height, Low Impedance	
ME-SWB	7mm Height	ME-SZ
ME-HC	Standard	ME-CZ
ME-FA	105°C Standard	
ME-PX ★1	125°C	—
ME-HPC	Standard(Mid. & High Voltage)	ME-FC(Mid. & High Voltage)
ME-HPD	Long Profile(Mid. & High Voltage)	ME-FD(Mid. & High Voltage)
ME-FAZ ★1	Low Impedance, High Ripple(Mid. & High Voltage)	—
ME-UWN ★1	5mm Height, Bi-polar	—

★1 It will be discontinued.

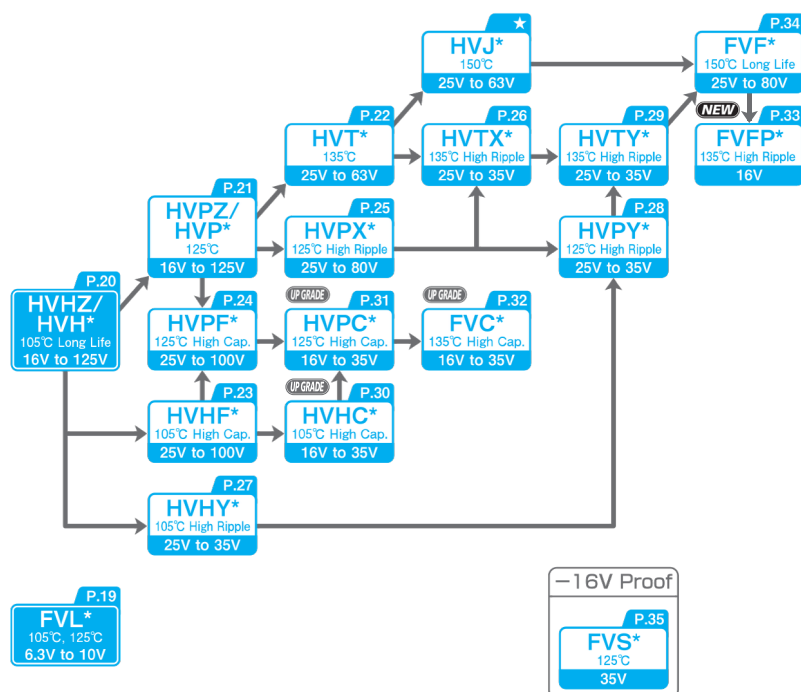
★2 Some of specified case sizes' parts will be discontinued. (4×4.5, 5×4.5)

★3 Some of specified rated voltage parts will be discontinued. (4V)

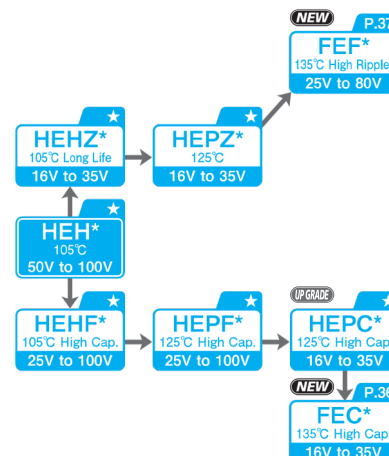
Series Chart

■ Hybrid Conductive Polymer Type **EP-cap**

SURFACE MOUNT TYPE

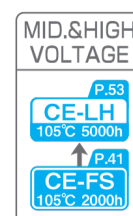
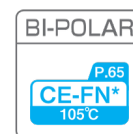
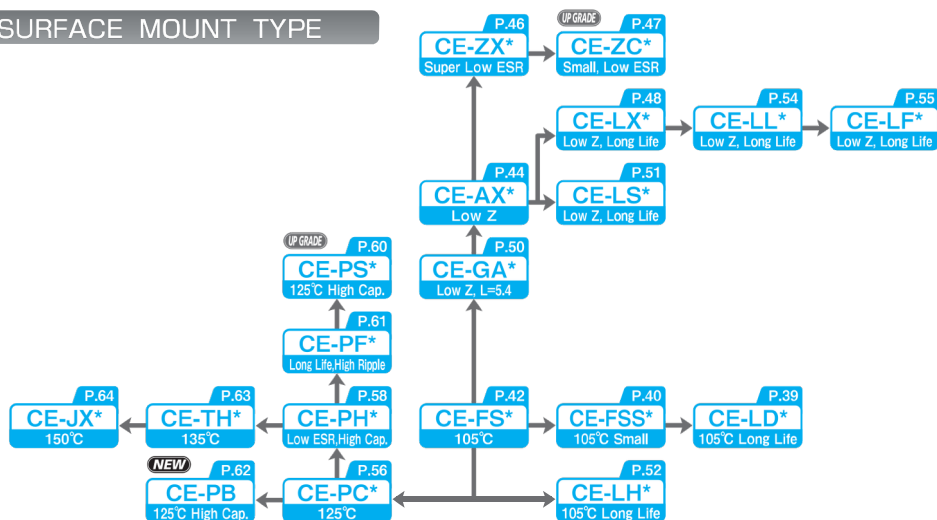


RADIAL LEAD TYPE

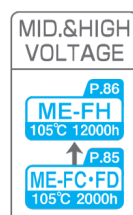
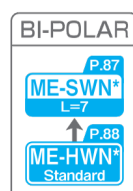
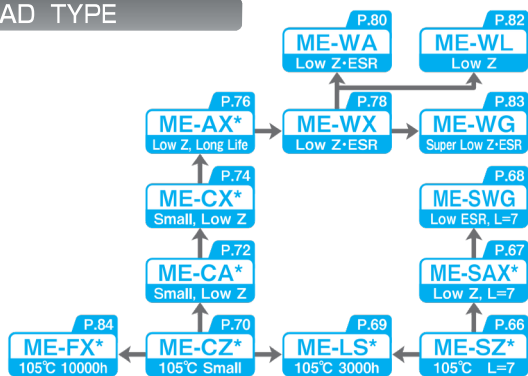


■ Aluminum Electrolytic Type

SURFACE MOUNT TYPE



RADIAL LEAD TYPE



*solvent proof

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