

**Product Line-up Table of Aluminum Electrolytic Capacitors with Hybrid Conductive Polymer**

Classification	Series	Page	Features	Small & Thin Type	Low ESR	Long Life	Solvent Proof	Category Temperature Range(°C)	Rated Voltage Range(V.DC)	Rated Capacitance Range(μF)	External Appearance	Marking Color
S.M.T 	H V A	22	Super Low ESR		●	●	●	-55 to +105	6.3 to 16	10 to 1000	—	Blue
	H V B	★	125°C		●	●	●	-55 to +125	6.3 to 16	22 to 560	—	Blue
	UP GRADE H V H	23	Super Low ESR	●	●	●	●	-55 to +105	25 to 125	6.8 to 330	—	Blue
	UP GRADE H V P	24	125°C		●	●	●	-55 to +125	25 to 125	6.8 to 330	—	Blue
	UP GRADE H V T	25	135°C			●	●	●	-55 to +135	25 to 63	10 to 330	—
Radial Lead Type 	NEW H E A	★	Super Low ESR		●	●	●	-55 to +105	6.3 to 16	47 to 1000	—	Blue
	NEW H E H	26	Super Low ESR		●	●	●	-55 to +105	25 to 100	10 to 330	—	Blue

**Product Line-up Table of Surface Mount 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
Surface Mount Type 	CE-BJ	28	Super Low Profile 3.25mm Height	●			●	-40 to +85	4 to 50	10 to 82	—	Black
	CE-BE	29	Super Low Profile 3.9mm Height	●			●	-40 to +85	4 to 50	1.0 to 180	—	Black
	CE-BD	30	Low Profile 4.5mm Height	●			●	-40 to +85	4 to 50	0.47 to 220	—	Black
	CE-BSS	31	Miniature, Standard	●			●	-40 to +85	6.3 to 50	4.7 to 220	—	Black
	CE-BS	32	Standard				●	-40 to +85	4 to 100	0.47 to 6800	—	Black
	CE-C	★	φ3mm Version	●			●	-40 to +85	6.3 to 50	1.0 to 22	—	Black
	CE-FE	34	3.9mm Height Temperature of Wide Range	●			●	-40 to +105	6.3 to 50	1.0 to 100	—	Black
	CE-FD	35	4.5mm Height Temperature of Wide Range	●			●	-40 to +105	6.3 to 50	0.47 to 100	—	Black
	CE-LD	36	4.5mm Height, Long Life	●		●	●	-40 to +105	6.3 to 50	0.47 to 100	—	Black
	CE-FSS	37	105°C Miniature, High Capacitance	●			●	-40 to +105	6.3 to 50	4.7 to 220	—	Black
	NEW CE-FU	38	High Temperature Reflow Soldering	●			●	-55 to +105	6.3 to 50	2.2 to 100	—	Black
		39						-40 to +105	160 to 400	2.2 to 82		
	UP GRADE CE-FS	40	105°C, Standard				●	-55 to +105	6.3 to 63	0.47 to 10000	—	Black
							●	-40 to +105	100	1.0 to 220		
	CE-FH	42	Long Life			●	●	-40 to +105	6.3 to 50	1.0 to 4700	—	Black
	CE-GA	43	5.4mm Height Super Low Impedance		●		●	-55 to +105	6.3 to 63	1.0 to 220	—	Black
	CE-AX	44	Low Impedance		●		●	-55 to +105	6.3 to 50	4.7 to 6800	—	Black
	CE-KX	46	Super Low Impedance		●		●	-55 to +105	6.3 to 100	3.3 to 6800	—	Black
	UP GRADE CE-LX	48	Low Impedance, Long Life		●		●	-55 to +105	6.3 to 100	4.7 to 10000	—	Black
	CE-LS	50	Low Impedance, Long Life		●	●	●	-40 to +105	6.3 to 50	10 to 330	—	Black
		51					●	-40 to +105	6.3 to 50	1.0 to 220		
		52					●	-40 to +105	160 to 400	2.2 to 82		
	CE-LL	53	Low Impedance, Long Life		●	●	●	-25 to +105	6.3 to 50	10 to 1000	—	Black
CE-PC	54	125°C, Long Life			●	●	-55 to +125	6.3 to 100	1.0 to 4700	—	Black	
CE-PX	★	125°C			●	●	-40 to +125	6.3 to 50	33 to 1500	—	Black	
UP GRADE CE-PH	56	125°C Low ESR, High Capacitance		●	●	●	-40 to +125	16 to 35	100 to 3300	—	Black	
CE-NP	57	Bi-polar				●	-40 to +85	6.3 to 50	1.0 to 47	—	Black	
CE-FN	58	Bi-polar Temperature of Wide Range				●	-55 to +105	6.3 to 63	1.0 to 47	—	Black	

■ Product Line-up Table of Radial Lead 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-UW	★	5mm Height	●			●	-40 to +85	4 to 50	10 to 330	Black	White
	ME-SWB	59	7mm Height	●			●	-40 to +85	4 to 63	10 to 470	Black	White
	ME-UZ	60	5mm Height, Temperature of Wide Range	●			●	-55 to +105	6.3 to 50	10 to 220	Green	White
	ME-SZ	60	7mm Height, Temperature of Wide Range	●			●	-55 to +105	6.3 to 50	1.0 to 330	Green	White
	ME-UAX	61	5mm Height, Low Impedance	●	●		●	-55 to +105	6.3 to 35	33 to 220	Green	Gold
	ME-SAX	61	7mm Height, Low Impedance	●	●		●	-55 to +105	6.3 to 35	4.7 to 330	Green	Gold
	ME-LS	62	Long Life, High-Reliability			●	●	-40 to +105	6.3 to 50	1.0 to 1000	Black	Silver
	ME-HC	63	Standard	●			●	-40 to +85	6.3 to 100	1.0 to 15000	Black	White
	ME-CZ	64	Miniature, Standard Temperature of Wide Range	●			●	-55 to +105	6.3 to 100	2.2 to 15000	Green	White
	ME-CA	66	Miniature, Standard Low Impedance	●	●		●	-55 to +105	6.3 to 50	2.2 to 15000	Green	Silver
	ME-CX	68	Miniature, Low Impedance	●	●		●	-55 to +105	6.3 to 35	47 to 15000	Green	Gold
	ME-AX	70	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	72	Low Impedance · High Ripple		●			-40 to +105	6.3 to 50	22 to 6800	Green	Gold
	UP GRADE ME-WA	74	Low Impedance · High Ripple Long Life		●	●		-40 to +105	6.3 to 50	100 to 8200	Black	Gold
	ME-WL	76	Low Impedance Long Life	●	●	●		-40 to +105	6.3 to 63	1.0 to 330	Green	Silver
	ME-UWG	★	5mm Height, Low ESR	●	●			-40 to +105	6.3 to 25	39 to 150	—	Black
	ME-SWG	77	7mm Height, Low ESR	●	●			-40 to +105	6.3 to 35	22 to 330	Black	Gold
	ME-WG	78	Super Low ESR		●			-40 to +105	6.3 to 25	220 to 3300	Green	Gold
	ME-FZ	★	Extra Long Life, High Performance		●	●	●	-55 to +105	10 to 50	10 to 4700	Black	Silver
	ME-PX	★	79 125°C, High Performance		●	●	●	-55 to +125	10 to 100	1.0 to 4700	Clear Green	Black
					●		●	-40 to +125	160 to 250	10 to 150		
						●		-25 to +125	350 to 400	4.7 to 47		
	ME-HPC	80	Miniature, Standard (Mid. & High Voltage)	●				-40 to +85 -25 to +85	160 to 250 350 to 450	0.47 to 220 0.47 to 100	Black	White
	ME-HPD	80	Miniature, Low Profile (Mid. & High Voltage)	●				-40 to +85 -25 to +85	160 to 250 350 to 450	47 to 220 10 to 68	Black	White
	ME-FC	81	Miniature, Guaranteed 105°C (Mid. & High Voltage)	●				-40 to +105 -25 to +105	160 to 400 450	0.47 to 220 1.0 to 47	Black	White
	ME-FD	81	105°C, Miniature, Low Profile (Mid. & High Voltage)	●				-40 to +105 -25 to +105	160 to 400 450	22 to 220 10 to 33	Black	White
	ME-FAZ	82	High Ripple(Mid.Voltage)		●			-40 to +105	160 to 250	1.0 to 220	Black	White
	ME-FH	83	105°C, Long Life (Mid. & High Voltage)			●		-40 to +105 -25 to +105	160 to 400 450	6.8 to 220 6.8 to 68	Black	White
ME-HLB	★	Low Leakage Current					-40 to +85	16 to 50	2.2 to 100	Blue	Black	
ME-HT	★	Timer Circuit Use					-40 to +85	10 to 50	22 to 2200	Green	Black	
ME-SWN	84	7mm Height, Bi-polar	●			●	-40 to +85	6.3 to 50	1.0 to 47	Black	White	
ME-HWN	85	Miniature, Standard, Bi-polar	●			●	-40 to +85	6.3 to 100	2.2 to 2200	Black	White	

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