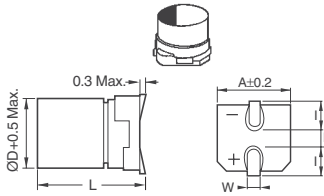


Panasonic® EB Series Aluminum Electrolytic Capacitors, Surface Mount Type



Features: • Long Life: 3000-5000H @ 105°C • High Voltage • High CV Volumetric Efficiency • Tape and Reel Packaging for Automatic Placement
Specifications: • Operating Temperature Range: -25°C ~ 105°C • Capacitance Tolerance: ±20% (120Hz, 20°C) • Leakage Current: $I \leq 0.06CV + 10(\mu A)$ after a 2 minute application of rated working voltage at 20°C • Low Temperature Characteristics: Impedance ratio (120Hz)
Soldering: • Reflow: 230°C for 5 seconds

Size Code	Dimensions – mm					
	D	L	A	I	W	P
G13	10	13.5	10.3	3.5	0.90 ±0.2	4.6
G17	10	16.5	10.3	3.5	0.90 ±0.2	4.6
H16	12.5	16.5	13.5	4.7	0.90 ±0.3	4.4
J16	16	16.5	17.0	5.5	1.2 ±0.3	6.7
J21	16	21.5	17.0	5.5	1.2 ±0.3	6.7
K16	18	16.5	19.0	6.5	1.2 ±0.3	6.7
K21	18	21.5	19.0	6.5	1.2 ±0.3	6.7

Following specified values:

Impedance 120Hz	Working Voltage					
	160V	200V	250V	350V	400V	450V
-25°C/+20°C	2	2	3	5	6	6

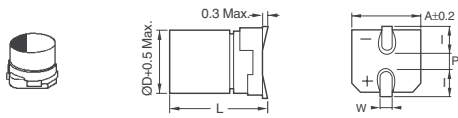
Rated W.V. (VDC)	Nom. Cap. (µF)	tan δ ≤ Spec. Values (120Hz, +20°C)	Max. Leakage Current (µA)	Size Code	Max. Ripple Cur. 100kHz, 105°C (mA rms)	Digi-Key Part No.	Cut Tape Price Each		Digi-Key Part No.	Tape and Reel		Panasonic Part No.
							1	50		Qty.	Pricing	
EB Long Life, High Ripple Series: -25°C ~ 105°C (3000 - 5000 Hour Life)												
160	10	0.15	106.0	G13	70	PCE3421CT-ND	1.10	.79	PCE3421TR-ND	250	106.07	EEV-EB2C100Q
	33	0.15	326.8	H16	470	PCE3422CT-ND	1.80	1.30	PCE3422TR-ND	150	117.85	EEV-EB2C330SQ
	47	0.15	461.2	J16	600	PCE3579CT-ND	1.84	1.42	PCE3579TR-ND	125	114.62	EEV-EB2C470SM
	68	0.15	662.8	J21	750	PCE3580CT-ND	2.18	1.68	PCE3580TR-ND	75	92.75	EEV-EB2C680M
	68	0.15	662.8	K16	750	PCE3581CT-ND	2.18	1.68	PCE3581TR-ND	125	135.27	EEV-EB2C680SM
200	100	0.15	970.0	K21	1060	PCE3578CT-ND	2.59	2.00	PCE3578TR-ND	75	110.41	EEV-EB2C101M
	22	0.15	274.0	H16	470	PCE3427CT-ND	1.80	1.30	PCE3427TR-ND	150	117.85	EEV-EB2D220SQ
	33	0.15	406.0	J16	600	PCE3583CT-ND	1.84	1.42	PCE3583TR-ND	125	114.62	EEV-EB2D330SM
	47	0.15	574.0	K16	600	PCE3584CT-ND	2.18	1.68	PCE3584TR-ND	125	135.27	EEV-EB2D470SM
	68	0.15	826.0	J21	750	PCE3585CT-ND	2.18	1.68	PCE3585TR-ND	75	92.75	EEV-EB2D680M
250	100	0.15	1210.0	K21	1060	PCE3582CT-ND	2.59	2.00	PCE3582TR-ND	75	110.41	EEV-EB2D101M
	10	0.15	160.0	G17	88	PCE3432CT-ND	1.26	.91	PCE3432TR-ND	200	109.66	EEV-EB2E100Q
	22	0.15	340.0	J16	560	PCE3586CT-ND	1.84	1.42	PCE3586TR-ND	125	114.62	EEV-EB2E220SQ
	33	0.15	505.0	K16	560	PCE3587CT-ND	2.18	1.68	PCE3587TR-ND	125	135.27	EEV-EB2E330SM
	47	0.15	715.0	J21	710	PCE3588CT-ND	2.18	1.68	PCE3588TR-ND	75	92.75	EEV-EB2E470M
350	68	0.15	1030.0	K21	990	PCE3589CT-ND	2.59	2.00	PCE3589TR-ND	75	110.41	EEV-EB2E680M
	10	0.20	220.0	J16	270	PCE3593CT-ND	1.84	1.42	PCE3593TR-ND	125	114.52	EEV-EB2V100SM
	22	0.20	472.0	K16	350	PCE3594CT-ND	2.18	1.68	PCE3594TR-ND	125	135.27	EEV-EB2V220SM
	33	0.20	703.0	J21	480	PCE3595CT-ND	2.18	1.68	PCE3595TR-ND	75	92.75	EEV-EB2V330M
	47	0.20	997.0	K21	670	PCE3596CT-ND	2.59	2.00	PCE3596TR-ND	75	110.41	EEV-EB2V470M
400	3.3	0.24	89.2	G13	40	PCE3441CT-ND	1.10	.79	PCE3441TR-ND	250	106.07	EEV-EB2G3R3Q
	4.7	0.24	122.8	G17	50	PCE3442CT-ND	1.26	.91	PCE3442TR-ND	200	109.66	EEV-EB2G4R7Q
	10	0.24	250.0	J16	250	PCE3590CT-ND	1.84	1.42	PCE3590TR-ND	125	114.62	EEV-EB2G100SM
	22	0.24	538.0	J21	410	PCE3591CT-ND	2.18	1.68	PCE3591TR-ND	75	92.75	EEV-EB2G220M
	33	0.24	802.0	K21	600	PCE3592CT-ND	2.59	2.00	PCE3592TR-ND	75	110.41	EEV-EB2G330M
450	2.2	0.24	69.4	G13	29	PCE3446CT-ND	1.10	.79	PCE3446TR-ND	250	106.07	EEV-EB2W2R2Q
	3.3	0.24	99.1	G17	41	PCE3447CT-ND	1.26	.91	PCE3447TR-ND	200	109.66	EEV-EB2W3R3Q
	4.7	0.24	136.9	H16	49	PCE3448CT-ND	1.80	1.30	PCE3448TR-ND	150	117.85	EEV-EB2W4R7SQ
	10	0.24	280.0	K16	310	PCE3597CT-ND	2.18	1.68	PCE3597TR-ND	125	135.27	EEV-EB2W100SM
	22	0.24	604.0	K21	560	PCE3598CT-ND	2.59	2.00	PCE3598TR-ND	75	110.41	EEV-EB2W220M



Panasonic® TA Series Aluminum Electrolytic Capacitors, Surface Mount Type

Features: • High Temperature: 125°C • Automotive Applications • Life Time: 1000H @ 125°C • High CV Volumetric Efficiency • Tape and Reel Packaging for Automatic Placement

Specifications: • Operating Temperature Range: -40°C ~ 125°C • Capacitance Tolerance: ±20% (120Hz, 20°C) • Leakage Current: $I \leq 0.01CV$ or $3(\mu A)$ whichever is greater measured after a 2 minute application of rated working voltage at 20°C • Low Temperature Characteristics: Impedance ratio (120Hz)



Following specified values:

Impedance 120Hz	Working Voltage				
	10V	16V	25V	35V	50V
-25°C/+20°C	8	8	4	3	3
-40°C/+20°C	14	12	10	8	8

Size Code	Dimensions – mm					
	D	L	A	I	W	P
E	8.0	6.2	8.3	3.4	0.65 ±0.1	2.2
F	8.0	10.2	8.3	3.4	0.90 ±0.2	3.1
G	10.0	10.2	10.3	3.5	0.90 ±0.2	4.6

Rated W.V. (VDC)	Nom. Cap. (µF)	tan δ ≤ Spec. Values (120Hz, +20°C)	Max. Leakage Current (µA)	Size Code	Max. Ripple Cur. 100kHz, 125°C (mA rms)	Digi-Key Part No.	Cut Tape Price Each		Digi-Key Part No.	Tape and Reel		Panasonic Part No.	
							1	100		Qty.	Pricing		
TA Automotive Series: -40°C ~ 125°C (1000 Hour Life)													
10	100	0.32	10.0	E	62	PCE3143CT-ND	.94	.64	58	PCE3143TR-ND	1,000	258.57	EEV-TA1A101P
	220	0.32	22.0	F	93	PCE3144CT-ND	1.07	.78	.71	PCE3144TR-ND	500	182.57	EEV-TA1A221P
	330	0.32	33.0	G	118	PCE3145CT-ND	1.26	.92	.84	PCE3145TR-ND	500	215.20	EEV-TA1A331P
16	100	0.24	16.0	F	89	PCE3146CT-ND	1.07	.78	.71	PCE3146TR-ND	500	182.57	EEV-TA1C101P
	220	0.24	35.2	G	113	PCE3147CT-ND	1.26	.92	.84	PCE3147TR-ND	500	215.20	EEV-TA1C221P
25	47	0.21	11.8	E	56	PCE3148CT-ND	.94	.64	.58	PCE3148TR-ND	1,000	258.57	EEV-TA1E470P
	100	0.21	25.0	F	84	PCE3149CT-ND	1.07	.78	.71	PCE3149TR-ND	500	182.57	EEV-TA1E101P
35	33	0.18	11.6	E	53	PCE3150CT-ND	.94	.64	.58	PCE3150TR-ND	1,000	258.57	EEV-TA1V330P
	47	0.18	16.5	F	79	PCE3151CT-ND	1.07	.78	.71	PCE3151TR-ND	500	182.57	EEV-TA1V470P
	100	0.18	3.5	G	101	PCE3152CT-ND	1.26	.92	.84	PCE3152TR-ND	500	215.20	EEV-TA1V101P
50	10	0.18	5.0	E	25	PCE3153CT-ND	.94	.64	.58	PCE3153TR-ND	1,000	258.57	EEV-TA1H100P
	22	0.18	11.0	E	50	PCE3154CT-ND	.94	.64	.58	PCE3154TR-ND	1,000	258.57	EEV-TA1H220P
	33	0.18	16.5	F	74	PCE3155CT-ND	1.07	.78	.71	PCE3155TR-ND	500	182.57	EEV-TA1H330P
	47	0.18	23.5	G	94	PCE3156CT-ND	1.26	.92	.84	PCE3156TR-ND	500	215.20	EEV-TA1H470P

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