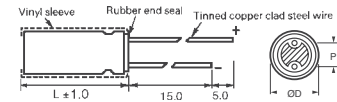




Rating		Dimensions			Digi-Key Part No.	Pricing					Panasonic Part No.	
WV	µF	D	L	P		1	10	100	500	1,000		5,000
6.3	22	4.0	7.0	1.5	P800-ND	.10	.66	4.44	15.02	23.23	19.61/M	ECE-A0JKA220
	33	4.0	7.0	1.5	P801-ND	.10	.66	4.44	15.02	23.23	19.61/M	ECE-A0JKA330
	47	4.0	7.0	1.5	P802-ND	.10	.66	4.44	15.02	23.23	19.61/M	ECE-A0JKA470
	100	5.0	7.0	2.0	P803-ND†	.12	.73	4.93	16.70	25.41	21.78/M	ECE-A0JKA101
	220	6.3	7.0	2.5	P829-ND	.11	.74	5.23	18.07	28.31	24.69/M	ECE-A0JKA221
	330	8.0	7.0	3.5	P830-ND	.17	1.22	8.73	31.43	48.64	45.74/M	ECE-A0JKA331
10	22	4.0	7.0	1.5	P804-ND	.10	.66	4.44	15.02	23.23	19.61/M	ECE-A1KA220
	33	4.0	7.0	1.5	P805-ND	.10	.66	4.44	15.02	23.23	19.61/M	ECE-A1KA330
	47	5.0	7.0	2.0	P806-ND	.12	.73	4.93	16.70	25.41	21.78/M	ECE-A1KA470
	100	6.3	7.0	2.5	P831-ND	.11	.74	5.23	18.07	28.31	24.69/M	ECE-A1KA101
	220	8.0	7.0	3.5	P832-ND	.17	1.22	8.73	31.43	48.64	45.74/M	ECE-A1KA221
	16	10	4.0	7.0	1.5	P807-ND	.10	.66	4.44	15.02	23.23	19.61/M
22		4.0	7.0	1.5	P808-ND	.10	.66	4.44	15.02	23.23	19.61/M	ECE-A1CKA220
33		5.0	7.0	2.0	P809-ND†	.12	.73	4.93	16.70	25.41	21.78/M	ECE-A1CKA330
47		5.0	7.0	2.0	P810-ND†	.12	.73	4.93	16.70	25.41	21.78/M	ECE-A1CKA470
100		6.3	7.0	2.5	P833-ND	.11	.74	5.23	18.07	28.31	24.69/M	ECE-A1CKA101
25		4.7	4.0	7.0	1.5	P812-ND†	.10	.66	4.44	15.02	23.23	19.61/M
	10	4.0	7.0	1.5	P813-ND	.10	.66	4.44	15.02	23.23	19.61/M	ECE-A1EKA100
	22	5.0	7.0	2.0	P814-ND	.12	.73	4.93	16.70	25.41	21.78/M	ECE-A1EKA220
	33	6.3	7.0	2.5	P815-ND	.11	.74	5.23	18.07	28.31	24.69/M	ECE-A1EKA330
	47	6.3	7.0	2.5	P834-ND	.11	.74	5.23	18.07	28.31	24.69/M	ECE-A1EKA470
	35	4.7	4.0	7.0	1.5	P817-ND†	.10	.66	4.44	15.02	23.23	19.61/M
10		5.0	7.0	2.0	P818-ND†	.12	.73	4.93	16.70	25.41	21.78/M	ECE-A1VKA100
22		6.3	7.0	2.5	P819-ND†	.11	.74	5.23	18.07	28.31	24.69/M	ECE-A1VKA220
33		6.3	7.0	2.5	P835-ND	.11	.74	5.23	18.07	28.31	24.69/M	ECE-A1VKA330
47		8.0	7.0	3.5	P836-ND	.17	1.22	8.73	31.43	48.64	45.74/M	ECE-A1VKA470
50		0.1	4.0	7.0	1.5	P820-ND†	.10	.66	4.44	15.02	23.23	19.61/M
	0.22	4.0	7.0	1.5	P821-ND†	.10	.66	4.44	15.02	23.23	19.61/M	ECE-A1HKA2R2
	0.33	4.0	7.0	1.5	P822-ND†	.10	.66	4.44	15.02	23.23	19.61/M	ECE-A1HKA3R3
	0.47	4.0	7.0	1.5	P823-ND†	.10	.66	4.44	15.02	23.23	19.61/M	ECE-A1HKA4R7
	1.0	4.0	7.0	1.5	P824-ND†	.10	.66	4.44	15.02	23.23	19.61/M	ECE-A1HKA010
	2.2	4.0	7.0	1.5	P825-ND†	.10	.66	4.44	15.02	23.23	19.61/M	ECE-A1HKA2R2
	3.3	4.0	7.0	1.5	P826-ND†	.10	.66	4.44	15.02	23.23	19.61/M	ECE-A1HKA3R3
	4.7	4.0	7.0	1.5	P827-ND†	.10	.66	4.44	15.02	23.23	19.61/M	ECE-A1HKA4R7
	10	5.0	7.0	2.0	P828-ND†	.12	.73	4.93	16.70	25.41	21.78/M	ECE-A1HKA100
	22	6.3	7.0	2.5	P837-ND	.11	.74	5.23	18.07	28.31	24.69/M	ECE-A1HKA220
33	8.0	7.0	3.5	P838-ND	.17	1.22	8.73	31.43	48.64	45.74/M	ECE-A1HKA330	

The KA-Series is a tantalum substitute for many applications.



- Operating Temperature Range: -40°C ~ 85°C
- Rated DC Voltage Range: 6.3 ~ 63VDC
- Rated Capacitance Range: 1.0 ~ 100µF
- Capacitance Tolerance: ±20%
- tan δ: Maximum at 120Hz

W.V.	6.3	10	16	25	35	50
tan δ	0.24	0.2	0.16	0.14	0.12	0.10

• DC Leakage Current, Maximum: After 5 minutes application of the DC working voltage, I=0.01 C V or 3µA, whichever is greater.

• Load Life: 1,000 hours application of the rated DC working voltage at 85°C, the capacitor shall meet the following limits:

Capacitance Change	Within ±20% of the initial measured value
tan δ	Less than 200% of the initial specified value
DC Leakage Current	Less than the initial specified value

• Stability at Low and High Temperature: Impedance ratio at 120Hz -25/20°C, -40/20°C.

W.V.	6.3	10	16	25	35	50
-25/20°C	4	3	2	2	2	2
-40/20°C	8	6	4	4	3	3

• Shelf Life: After 1,000 hours storage without load at 85°C, the capacitor shall meet the above "Load life."

• Others shall be in accordance with JIS-C-5141 (1976).

PANASONIC K CROSS REFERENCES:

Elna: RC2, IC: RSS, Marcon: SSM, Nichicon: SR/SA, Rubycon: MS7, UCC: SRG/SRA



† P835-KIT-ND Digi-Key® KA-Series Capacitors Kit 10 each of parts indicated. (160 total pieces) Notebook style storage case..... 21.74

KG-Series Miniature Aluminum Electrolytic Capacitors 105°C



WV DC	Cap. µF	Size Code	Digi-Key Part No.	1	10	100	500	1,000	5,000	Panasonic Part No.
6.3	22	A	P900-ND	.13	.66	4.65	16.07	25.41	21.78/M	ECE-A0JKG220
	33	B	P901-ND	.14	.74	5.23	18.07	28.31	24.69/M	ECE-A0JKG330
	47	B	P902-ND	.15	.74	5.23	18.07	28.31	24.69/M	ECE-A0JKG470
	68	C	P903-ND	.15	.91	6.41	22.14	34.85	30.50/M	ECE-A0JKG680
	100	C	P904-ND†	.17	.91	6.41	22.14	34.85	30.50/M	ECE-A0JKG101
	220	D	P941-ND	.29	1.41	10.06	36.20	56.63	52.28/M	ECE-A0JKG221
10	22	A	P905-ND	.14	.66	4.65	16.07	25.41	21.78/M	ECE-A1AKG220
	33	B	P906-ND	.15	.74	5.23	18.07	28.31	24.69/M	ECE-A1AKG330
	47	C	P907-ND	.15	.91	6.41	22.14	34.85	30.50/M	ECE-A1AKG470
	68	C	P908-ND	.17	.91	6.41	22.14	34.85	30.50/M	ECE-A1AKG680
	100	C	P942-ND	.17	.81	5.83	20.97	32.67	30.50/M	ECE-A1AKG101
	16	6.8	A	P909-ND	.13	.66	4.65	16.07	25.41	21.78/M
10		A	P910-ND	.14	.66	4.65	16.07	25.41	21.78/M	ECE-A1CKG100
15		A	P911-ND	.14	.66	4.65	16.07	25.41	21.78/M	ECE-A1CKG150
22		B	P912-ND	.15	.74	5.23	18.07	28.31	24.69/M	ECE-A1CKG220
33		C	P913-ND†	.16	.91	6.41	22.14	34.85	30.50/M	ECE-A1CKG330
47		C	P914-ND†	.17	.91	6.41	22.14	34.85	30.50/M	ECE-A1CKG470
25	6.8	A	P915-ND†	.14	.66	4.65	16.07	25.41	21.78/M	ECE-A1CKG6R8
	10	A	P916-ND†	.14	.66	4.65	16.07	25.41	21.78/M	ECE-A1CKG100
	15	B	P917-ND	.15	.74	5.23	18.07	28.31	24.69/M	ECE-A1CKG150
	22	B	P918-ND†	.16	.74	5.23	18.07	28.31	24.69/M	ECE-A1CKG220
	33	C	P919-ND	.18	.91	6.41	22.14	34.85	30.50/M	ECE-A1CKG330
	47	D	P945-ND	.29	1.41	10.06	36.20	56.63	52.28/M	ECE-A1CKG470
35	6.8	A	P920-ND†	.14	.66	4.65	16.07	25.41	21.78/M	ECE-A1VKG4R7
	10	B	P921-ND	.14	.66	4.65	16.07	25.41	21.78/M	ECE-A1VKG6R8
	15	C	P922-ND†	.15	.74	5.23	18.07	28.31	24.69/M	ECE-A1VKG100
	22	C	P923-ND	.18	.91	6.41	22.14	34.85	30.50/M	ECE-A1VKG150
	33	D	P924-ND†	.18	.91	6.41	22.14	34.85	30.50/M	ECE-A1VKG220
	47	D	P947-ND	.29	1.41	10.06	36.20	56.63	52.28/M	ECE-A1VKG330
50	0.1	A	P925-ND†	.13	.66	4.65	16.07	25.41	21.78/M	ECE-A1HKG0R1
	0.15	A	P926-ND	.13	.66	4.65	16.07	25.41	21.78/M	ECE-A1HKG1R5
	0.22	A	P927-ND†	.13	.66	4.65	16.07	25.41	21.78/M	ECE-A1HKG2R2
	0.33	A	P928-ND†	.13	.66	4.65	16.07	25.41	21.78/M	ECE-A1HKG3R3
	0.47	A	P929-ND†	.13	.66	4.65	16.07	25.41	21.78/M	ECE-A1HKG4R7
	0.68	A	P930-ND	.13	.66	4.65	16.07	25.41	21.78/M	ECE-A1HKG6R8
	1	A	P931-ND†	.13	.66	4.65	16.07	25.41	21.78/M	ECE-A1HKG010
	1.5	A	P932-ND	.13	.66	4.65	16.07	25.41	21.78/M	ECE-A1HKG1R5
	2.2	A	P933-ND†	.13	.66	4.65	16.07	25.41	21.78/M	ECE-A1HKG2R2
	3.3	A	P934-ND†	.14	.66	4.65	16.07	25.41	21.78/M	ECE-A1HKG3R3
50	4.7	A	P935-ND†	.14	.66	4.65	16.07	25.41	21.78/M	ECE-A1HKG4R7
	6.8	B	P936-ND	.15	.74	5.23	18.07	28.31	24.69/M	ECE-A1HKG6R8
	10	C	P937-ND†	.18	.91	6.41	22.14	34.85	30.50/M	ECE-A1HKG100
	15	C	P938-ND	.19	.91	6.41	22.14	34.85	30.50/M	ECE-A1HKG150
	22	D	P939-ND	.29	1.41	10.06	36.20	56.63	52.28/M	ECE-A1HKG220
	33	D	P940-ND	.29	1.41	10.06	36.20	56.63	52.28/M	ECE-A1HKG330

The KG-Series is a tantalum substitute for many applications.

Features: • Height is 7mm • Anti-solvent in Freon

Operating Temperature Range: -55°C ~ 105°C

Capacitance Tolerance: ±20% at 120Hz, 20°C

DC Leakage Current: I=0.01CV or 3µA after 2 minutes (whichever is greater)

tan δ (120Hz/120°C):

W.V.	6.3	10	16	25	35	50
tan δ (Maximum)	0.22	0.19	0.16	0.14	0.12	0.10

Low Temperature Impedance Stability at 120Hz:

W.V.	6.3	10	16	25	35	50
Z(-25°C)/Z						