

W.V.	Capacitance (µF)	ESR (100KHz / 20°C)	Ripple Current (100KHz / 105°C)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel†		Panasonic Part No.
					1	10	100	Qty.	Pricing	
2.5	150	0.009Ω	3.0Arms	PCE3558CT-ND	2.09	1.96	1.70	3,500	784.00/M	EEF-SXOE151R
	150	0.009Ω	3.0Arms	PCE4482CT-ND†	2.74	2.06	1.79	3,500	823.00/M	EEF-SXOE151ER
	180	0.009Ω	3.0Arms	PCE3979CT-ND	2.88	2.16	1.88	3,500	864.00/M	EEF-SXOE181R
	180	0.009Ω	3.0Arms	PCE4483CT-ND†	3.02	2.27	1.97	3,500	907.00/M	EEF-SXOE181ER
	220	0.009Ω	3.0Arms	PCE4826CT-ND	2.30	2.16	1.88	3,500	864.00/M	EEF-SXOE221R
	220	0.009Ω	3.0Arms	PCE4825CT-ND†	2.42	2.27	1.97	3,500	907.00/M	EEF-SXOE221ER
	330	0.009Ω	3.0Arms	PCE4828CT-ND	2.30	2.16	1.88	3,500	864.00/M	EEF-SXOE331R
	330	0.009Ω	3.0Arms	PCE4827CT-ND†	2.42	2.27	1.97	3,500	907.00/M	EEF-SXOE331ER
	330	0.006Ω	3.5Arms	PCE4829CT-ND†	2.54	2.39	2.07	3,500	952.00/M	EEF-SXOE331XE
	330	0.006Ω	3.5Arms	PCE4830CT-ND	2.41	2.27	1.96	3,500	905.00/M	EEF-SXOE331XR
	390	0.009Ω	3.0Arms	PCE4832CT-ND	2.50	2.35	2.04	3,500	939.00/M	EEF-SXOE391R
	390	0.009Ω	3.0Arms	PCE4831CT-ND†	2.64	2.48	2.15	3,500	989.00/M	EEF-SXOE391ER
390	0.006Ω	3.5Arms	PCE4833CT-ND	2.77	2.60	2.25	3,500	1038.00/M	EEF-SXOE391XE	
390	0.006Ω	3.5Arms	PCE4834CT-ND	2.63	2.47	2.14	3,500	986.00/M	EEF-SXOE391XR	
4	82	0.009Ω	3.0Arms	PCE3980CT-ND	2.88	2.16	1.88	3,500	864.00/M	EEF-SXOG820R
	82	0.009Ω	3.0Arms	PCE4485CT-ND†	2.74	2.06	1.79	3,500	823.00/M	EEF-SXOG820ER
	100	0.009Ω	3.0Arms	PCE3559CT-ND	2.09	1.96	1.70	3,500	784.00/M	EEF-SXOG101R
	100	0.009Ω	3.0Arms	PCE4484CT-ND†	2.74	2.06	1.79	3,500	823.00/M	EEF-SXOG101ER
	150	0.009Ω	3.0Arms	PCE4836CT-ND	2.30	2.16	1.88	3,500	864.00/M	EEF-SXOG151R
150	0.009Ω	3.0Arms	PCE4835CT-ND†	2.42	2.27	1.97	3,500	907.00/M	EEF-SXOG151ER	
6.3	68	0.009Ω	3.0Arms	PCE3560CT-ND	2.09	1.96	1.70	3,500	784.00/M	EEF-SXOG680R
SD Series										
2	270	0.007Ω	3.5Arms	PCE3539CT-ND	2.81	2.64	2.28	2,000	1052.00/M	EEF-SD0D271R
	270	0.007Ω	3.5Arms	PCE4459CT-ND†	2.95	2.77	2.40	2,000	1105.00/M	EEF-SD0D271ER
	330	0.007Ω	3.5Arms	PCE3540CT-ND	2.81	2.64	2.28	2,000	1052.00/M	EEF-SD0D331R
	330	0.007Ω	3.5Arms	PCE4460CT-ND†	2.95	2.77	2.40	2,000	1105.00/M	EEF-SD0D331ER
	390	0.007Ω	3.5Arms	PCE3704CT-ND	3.08	2.90	2.51	2,000	1157.00/M	EEF-SD0D391R
390	0.007Ω	3.5Arms	PCE4461CT-ND†	3.24	3.04	2.64	2,000	1215.00/M	EEF-SD0D391ER	
2.5	220	0.007Ω	3.5Arms	PCE3541CT-ND	2.81	2.64	2.28	2,000	1052.00/M	EEF-SD0E221R
	220	0.007Ω	3.5Arms	PCE4462CT-ND†	2.95	2.77	2.40	2,000	1105.00/M	EEF-SD0E221ER
	270	0.007Ω	3.5Arms	PCE3542CT-ND	2.81	2.64	2.28	2,000	1052.00/M	EEF-SD0E271R
4	150	0.007Ω	3.5Arms	PCE4463CT-ND†	2.95	2.77	2.40	2,000	1105.00/M	EEF-SD0E271ER
	150	0.007Ω	3.5Arms	PCE3543CT-ND	2.81	2.64	2.28	2,000	1052.00/M	EEF-SD0G151R
6.3	120	0.007Ω	3.5Arms	PCE4464CT-ND†	2.95	2.77	2.40	2,000	1105.00/M	EEF-SD0G151ER
6.3	120	0.007Ω	3.5Arms	PCE3544CT-ND	2.81	2.64	2.28	2,000	1052.00/M	EEF-SD0J121R
SE Series										
2	390	0.005Ω	4.0Arms	PCE3545CT-ND	4.22	3.96	3.43	2,000	1582.00/M	EEF-SE0D391R
	390	0.005Ω	4.0Arms	PCE4465CT-ND†	4.43	4.16	3.60	2,000	1661.00/M	EEF-SE0D391ER
	470	0.005Ω	4.0Arms	PCE3546CT-ND	4.22	3.96	3.43	2,000	1582.00/M	EEF-SE0D471R
	470	0.005Ω	4.0Arms	PCE4466CT-ND†	4.43	4.16	3.60	2,000	1661.00/M	EEF-SE0D471ER
	560	0.005Ω	4.0Arms	PCE3705CT-ND	4.64	4.36	3.78	2,000	1741.00/M	EEF-SE0D561R
560	0.005Ω	4.0Arms	PCE4467CT-ND†	4.69	4.40	3.81	2,000	1758.00/M	EEF-SE0D561ER	
2.5	330	0.005Ω	4.0Arms	PCE3547CT-ND	4.22	3.96	3.43	2,000	1582.00/M	EEF-SE0E331R
	330	0.005Ω	4.0Arms	PCE4468CT-ND†	4.43	4.16	3.60	2,000	1661.00/M	EEF-SE0E331ER
	390	0.005Ω	4.0Arms	PCE3548CT-ND	4.22	3.96	3.43	2,000	1582.00/M	EEF-SE0E391R
	390	0.005Ω	4.0Arms	PCE4469CT-ND†	4.43	4.16	3.60	2,000	1661.00/M	EEF-SE0E391ER
	470	0.005Ω	4.0Arms	PCE4279CT-ND	4.22	3.62	2.72	2,000	1808.00/M	EEF-SE0E471R
4	220	0.005Ω	4.0Arms	PCE3549CT-ND	4.22	3.96	3.43	2,000	1582.00/M	EEF-SE0G221R
	220	0.005Ω	4.0Arms	PCE4470CT-ND†	4.43	4.16	3.60	2,000	1661.00/M	EEF-SE0G221ER
6.3	180	0.005Ω	4.0Arms	PCE3550CT-ND	4.22	3.96	3.43	2,000	1582.00/M	EEF-SE0J181R

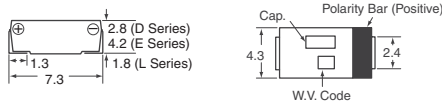
† 200°C Reflow ‡ For Tape and Reel part number, change CT-ND to TR-ND.

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H Series Specialty Polymer Aluminum Electrolytic Chip Capacitors Surface Mount Type



Features: • High Reliability (125°C) • Low ESR and High Ripple Current
Specifications: • **Operating Temperature Range:** -40°C ~ 125°C • **Capacitance Tolerance:** ±20% (120Hz/20°C) • **DC Leakage Current:** Is: 0.1CV after 2 minutes • **Dispersion Factor:** 0.1 max (120Hz/20°C) • **Surge Voltage:** Rated Working Voltage x 1.25 (15°C ~ 35°C) • **Endurance:** After applying rated working voltage for 1,000 hours or derated voltage (working voltage x 0.875 at 115°C or working voltage x 0.75 at 125°C) and then being stabilized at 20°C, the capacitor shall meet the following limits. Capacitance change ±10% of initial measured value. D.F. initial specified value • **Moisture Resistance:** (After storing for 500 hours at 60°C, 90% R.H.) Capacitance Change (2V / 2.5V: +70%, -20%, -20%, -20%, -20%, 6.3V: +50%, -20%, 8V: +40%, -20% of initial measured value). DF ≤200% initial specified value. DC leakage current (initial specified value).



W.V.	Cap. (µF)	ESR (100KHz/ 20°C)	Ripple Current (100KHz/ 125°C)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel†		Panasonic Part No.
					1	10	100	Qty.	Pricing	
HD Series										
2	180	0.15Ω	2.5Arms	PCE2119CT-ND	3.22	2.42	2.10	2,000	966.00/M	EEF-HD0D181R
2	220	0.15Ω	2.5Arms	PCE3529CT-ND	2.58	2.42	2.10	2,000	966.00/M	EEF-HD0D221R
2.5	150	0.15Ω	2.5Arms	PCE2120CT-ND	3.22	2.42	2.10	2,000	966.00/M	EEF-HD0E151R
2.5	180	0.15Ω	2.5Arms	PCE3530CT-ND	2.58	2.42	2.10	2,000	966.00/M	EEF-HD0E181R
4	120	0.15Ω	2.5Arms	PCE2121CT-ND	3.22	2.42	2.10	2,000	966.00/M	EEF-HD0G121R
6.3	100	0.15Ω	2.5Arms	PCE2122CT-ND	3.22	2.42	2.10	2,000	966.00/M	EEF-HD0J101R
6.3	68	0.15Ω	2.5Arms	PCE2123CT-ND	3.22	2.42	2.10	2,000	966.00/M	EEF-HD0K680R
HE Series										
2	270	0.12Ω	3.0Arms	PCE2124CT-ND	4.83	3.63	3.15	2,000	1450.00/M	EEF-HE0D271R
2	330	0.12Ω	3.0Arms	PCE3531CT-ND	3.87	3.63	3.15	2,000	1450.00/M	EEF-HE0D331R
2.5	220	0.12Ω	3.0Arms	PCE2125CT-ND	4.83	3.63	3.15	2,000	1450.00/M	EEF-HE0E221R
2.5	270	0.12Ω	3.0Arms	PCE3532CT-ND	4.38	4.11	3.56	2,000	1643.00/M	EEF-HE0E271R
4	180	0.12Ω	3.0Arms	PCE2126CT-ND	4.83	3.63	3.15	2,000	1450.00/M	EEF-HE0G181R
6.3	150	0.12Ω	3.0Arms	PCE2127CT-ND	4.83	3.63	3.15	2,000	1450.00/M	EEF-HE0J151R
8	100	0.12Ω	3.0Arms	PCE2128CT-ND	4.83	3.63	3.15	2,000	1450.00/M	EEF-HE0K101R
HL Series										
2	100	0.18Ω	1.8Arms	PCE3533CT-ND	1.45	1.37	1.19	3,500	545.00/M	EEF-HL0D101R
2.5	82	0.18Ω	1.8Arms	PCE3534CT-ND	1.45	1.37	1.19	3,500	545.00/M	EEF-HL0E820R
4	56	0.18Ω	1.8Arms	PCE3535CT-ND	1.45	1.37	1.19	3,500	545.00/M	EEF-HL0G560R
4	68	0.18Ω	1.8Arms	PCE3536CT-ND	1.45	1.37	1.19	3,500	545.00/M	EEF-HL0G680R
6.3	47	0.18Ω	1.8Arms	PCE3537CT-ND	1.45	1.37	1.19	3,500	545.00/M	EEF-HL0J470R
8	33	0.18Ω	1.8Arms	PCE3538CT-ND	1.45	1.37	1.19	3,500	545.00/M	EEF-HL0K330R

† For Tape and Reel part number, change CT-ND to TR-ND.

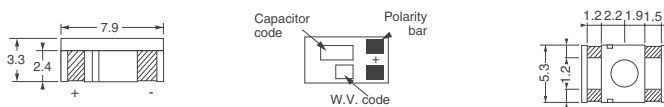
SP/CB Series Specialty Polymer Aluminum Electrolytic Capacitors, Surface Mount Type



Features: • Excellent noise-absorbent characteristics • Surface mountable (Flow and reflow soldering method available) • Very stable capacitance, impedance and ESR against temperature • Excellent endurance characteristics due to an adoption of solid electrolyte

Specifications: • **Operating Temperature Range:** -40°C ~ 105°C • **Capacitance Tolerance:** ±20% (120Hz, 20°C) • **Leakage Current:** Is: 0.04 CV or 3µA after 2 minutes • **Dispersion Factor:** ≤0.06 (120Hz, 20°C) • **Permissible Current Between Terminals with Same Polarity:** 2A DC maximum (This shall be applicable only when each terminal is landed individually as shown in Fig. 2.) • **Surge Voltage:** Rated working voltage x 1.25 • **Endurance:** After applying rated working voltage for 1,000 hours at 105°C, and then being stabilized at 20°C, capacitor shall meet the following limits: Capacitance Change (±10% of initial measured value); tan, Impedance and DC Leakage Current (Initial specified value).

Rated W.V. (VDC)	Nom. Cap. (µF)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Pricing 3,000	Panasonic Part No.
			1	10	100			
6.3	10	PCS1100BCT-ND	2.41	2.01	1.74	PCS1100BTR-ND	804.00/M	EGG-C0J100R
6.3	22	PCS1220JBCCT-ND	2.92	2.44	2.11	PCS1220JBTR-ND	976.00/M	EGG-C0J220R
6.3	33	PCS1330BCT-ND	3.56	2.97	2.57	PCS1330BTR-ND	1188.00/M	EGG-C0J330R
8.0	15	PCS1150BCT-ND	2.92	2.44	2.11	PCS1150BTR-ND	976.00/M	EGG-C0K150R
8.0	22	PCS1220BCT-ND	3.56	2.97	2.57	PCS1220BTR-ND	1188.00/M	EGG-C0K220R
12.5	4.7	—	—	—	—	PCE2101TR-ND	1354.00/M	EGG-C1B447R
16.0	4.7	PCS34R7BCT-ND	2.41	2.01	1.74	PCS34R7BTR-ND	804.00/M	EGG-C1C847R
16.0	6.8	PCS36R8BCT-ND	2.92	2.44	2.11	PCS36R8BTR-ND	976.00/M	EGG-C1C684R



Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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