

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	1.52	1.43	1.24	3,500	569.19/M	EEF-SX0E151R
	150	0.009Ω	3.0Arms	PCE4482CT-ND†	1.99	1.50	1.30	3,500	597.50/M	EEF-SX0E151ER
	180	0.009Ω	3.0Arms	PCE3979CT-ND	2.09	1.57	1.36	3,500	627.27/M	EEF-SX0E181R
	180	0.009Ω	3.0Arms	PCE4483CT-ND†	2.19	1.65	1.43	3,500	658.49/M	EEF-SX0E181ER
	220	0.009Ω	3.0Arms	PCE4826CT-ND	1.67	1.57	1.36	3,500	627.27/M	EEF-SX0E221R
	220	0.009Ω	3.0Arms	PCE4825CT-ND†	1.76	1.65	1.43	3,500	658.49/M	EEF-SX0E221ER
	330	0.009Ω	3.0Arms	PCE4828CT-ND	1.67	1.57	1.36	3,500	627.27/M	EEF-SX0E331R
	330	0.009Ω	3.0Arms	PCE4827CT-ND†	1.76	1.65	1.43	3,500	658.49/M	EEF-SX0E331ER
	330	0.006Ω	3.5Arms	PCE4829CT-ND†	1.84	1.73	1.50	3,500	691.16/M	EEF-SX0E331XE
	330	0.006Ω	3.5Arms	PCE4830CT-ND	1.75	1.65	1.43	3,500	657.04/M	EEF-SX0E331XR
	390	0.009Ω	3.0Arms	PCE4832CT-ND	1.82	1.71	1.48	3,500	681.72/M	EEF-SX0E391R
	390	0.009Ω	3.0Arms	PCE4831CT-ND†	1.92	1.80	1.56	3,500	718.02/M	EEF-SX0E391ER
	390	0.006Ω	3.5Arms	PCE4833CT-ND†	2.01	1.89	1.64	3,500	753.59/M	EEF-SX0E391XE
	390	0.006Ω	3.5Arms	PCE4834CT-ND	1.91	1.79	1.56	3,500	715.84/M	EEF-SX0E391XR
	4	82	0.009Ω	3.0Arms	PCE3980CT-ND	2.09	1.57	1.36	3,500	627.27/M
82		0.009Ω	3.0Arms	PCE4485CT-ND†	1.99	1.50	1.30	3,500	597.50/M	EEF-SX0G820ER
100		0.009Ω	3.0Arms	PCE3559CT-ND	1.52	1.43	1.24	3,500	569.19/M	EEF-SX0G101R
150		0.009Ω	3.0Arms	PCE4484CT-ND†	1.99	1.50	1.30	3,500	597.50/M	EEF-SX0G101ER
150		0.009Ω	3.0Arms	PCE4836CT-ND	1.67	1.57	1.36	3,500	627.27/M	EEF-SX0G151R
6.3	150	0.009Ω	3.0Arms	PCE4835CT-ND†	1.76	1.65	1.43	3,500	658.49/M	EEF-SX0G151ER
	68	0.009Ω	3.0Arms	PCE3560CT-ND	1.52	1.43	1.24	3,500	569.19/M	EEF-SX0J680R
<b>SD Series</b>										
2	270	0.007Ω	3.5Arms	PCE3539CT-ND	2.04	1.91	1.66	2,000	763.75/M	EEF-SD0D271R
	270	0.007Ω	3.5Arms	PCE4459CT-ND†	2.14	2.01	1.74	2,000	802.23/M	EEF-SD0D271ER
	330	0.007Ω	3.5Arms	PCE3540CT-ND	2.04	1.91	1.66	2,000	763.75/M	EEF-SD0D331R
	330	0.007Ω	3.5Arms	PCE4460CT-ND†	2.14	2.01	1.74	2,000	802.23/M	EEF-SD0D331ER
	390	0.007Ω	3.5Arms	PCE3704CT-ND	2.24	2.10	1.82	2,000	839.98/M	EEF-SD0D391R
2.5	390	0.007Ω	3.5Arms	PCE4461CT-ND†	2.35	2.21	1.92	2,000	882.09/M	EEF-SD0D391ER
	220	0.007Ω	3.5Arms	PCE3541CT-ND	2.04	1.91	1.66	2,000	763.75/M	EEF-SD0E221R
	220	0.007Ω	3.5Arms	PCE4462CT-ND†	2.14	2.01	1.74	2,000	802.23/M	EEF-SD0E221ER
	270	0.007Ω	3.5Arms	PCE3542CT-ND	2.04	1.91	1.66	2,000	763.75/M	EEF-SD0E271R
	270	0.007Ω	3.5Arms	PCE4463CT-ND†	2.14	2.01	1.74	2,000	802.23/M	EEF-SD0E271ER
4	150	0.007Ω	3.5Arms	PCE3543CT-ND	2.04	1.91	1.66	2,000	763.75/M	EEF-SD0G151R
	150	0.007Ω	3.5Arms	PCE4464CT-ND†	2.14	2.01	1.74	2,000	802.23/M	EEF-SD0G151ER
	120	0.007Ω	3.5Arms	PCE3544CT-ND	2.04	1.91	1.66	2,000	763.75/M	EEF-SD0J121R
<b>SE Series</b>										
2	390	0.005Ω	4.0Arms	PCE3545CT-ND	3.06	2.88	2.49	2,000	1148.53/M	EEF-SE0D391R
	390	0.005Ω	4.0Arms	PCE4465CT-ND†	3.22	3.02	2.62	2,000	1205.89/M	EEF-SE0D391ER
	470	0.005Ω	4.0Arms	PCE3546CT-ND	3.06	2.88	2.49	2,000	1148.53/M	EEF-SE0D471R
	470	0.005Ω	4.0Arms	PCE4466CT-ND†	3.22	3.02	2.62	2,000	1205.89/M	EEF-SE0D471ER
	560	0.005Ω	4.0Arms	PCE3705CT-ND	3.37	3.16	2.74	2,000	1263.97/M	EEF-SE0D561R
2.5	560	0.005Ω	4.0Arms	PCE4467CT-ND†	3.40	3.20	2.77	2,000	1276.31/M	EEF-SE0D561ER
	330	0.005Ω	4.0Arms	PCE3547CT-ND	3.06	2.88	2.49	2,000	1148.53/M	EEF-SE0E331R
	330	0.005Ω	4.0Arms	PCE4468CT-ND†	3.22	3.02	2.62	2,000	1205.89/M	EEF-SE0E331ER
	390	0.005Ω	4.0Arms	PCE3548CT-ND	3.06	2.88	2.49	2,000	1148.53/M	EEF-SE0E391R
	390	0.005Ω	4.0Arms	PCE4469CT-ND†	3.22	3.02	2.62	2,000	1205.89/M	EEF-SE0E391ER
4	470	0.005Ω	4.0Arms	PCE4279CT-ND	3.06	2.63	1.97	2,000	1312.61/M	EEF-SE0E471R
	220	0.005Ω	4.0Arms	PCE3549CT-ND	3.06	2.88	2.49	2,000	1148.53/M	EEF-SE0G221R
	220	0.005Ω	4.0Arms	PCE4470CT-ND†	3.22	3.02	2.62	2,000	1205.89/M	EEF-SE0G221ER
6.3	180	0.005Ω	4.0Arms	PCE3550CT-ND	3.06	2.88	2.49	2,000	1148.53/M	EEF-SE0J181R

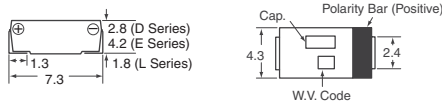
† 200°C Reflow ‡ For Tape and Reel part number, change CT-ND to TR-ND.

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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 • Dissipation 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 1000 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%, 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	
<b>HD Series</b>										
2	180	0.150	2.5Arms	PCE2119CT-ND	2.34	1.76	1.52	2,000	701.32/M	EEF-HD0D181R
2	220	0.150	2.5Arms	PCE3529CT-ND	1.87	1.76	1.52	2,000	701.32/M	EEF-HD0D221R
2.5	150	0.150	2.5Arms	PCE2120CT-ND	2.34	1.76	1.52	2,000	701.32/M	EEF-HD0E151R
2.5	180	0.150	2.5Arms	PCE3530CT-ND	1.87	1.76	1.52	2,000	701.32/M	EEF-HD0E181R
4	120	0.150	2.5Arms	PCE2121CT-ND	2.34	1.76	1.52	2,000	701.32/M	EEF-HD0G121R
6.3	100	0.150	2.5Arms	PCE2122CT-ND	2.34	1.76	1.52	2,000	701.32/M	EEF-HD0J101R
6.3	68	0.150	2.5Arms	PCE2123CT-ND	2.34	1.76	1.52	2,000	701.32/M	EEF-HD0K680R
<b>HE Series</b>										
2	270	0.120	3.0Arms	PCE2124CT-ND	3.51	2.64	2.29	2,000	1052.70/M	EEF-HE0D271R
2	330	0.120	3.0Arms	PCE3531CT-ND	2.81	2.64	2.29	2,000	1052.70/M	EEF-HE0D331R
2.5	220	0.120	3.0Arms	PCE2125CT-ND	3.51	2.64	2.29	2,000	1052.70/M	EEF-HE0E221R
2.5	270	0.120	3.0Arms	PCE3532CT-ND	3.18	2.99	2.59	2,000	1192.82/M	EEF-HE0E271R
4	180	0.120	3.0Arms	PCE2126CT-ND	3.51	2.64	2.29	2,000	1052.70/M	EEF-HE0G181R
6.3	150	0.120	3.0Arms	PCE2127CT-ND	3.51	2.64	2.29	2,000	1052.70/M	EEF-HE0J151R
6.3	100	0.120	3.0Arms	PCE2128CT-ND	3.51	2.64	2.29	2,000	1052.70/M	EEF-HE0K101R
<b>HL Series</b>										
2	100	0.180	1.8Arms	PCE3533CT-ND	1.05	.99	.86	3,500	395.68/M	EEF-HL0D101R
2.5	82	0.180	1.8Arms	PCE3534CT-ND	1.05	.99	.86	3,500	395.68/M	EEF-HL0E820R
4	56	0.180	1.8Arms	PCE3535CT-ND	1.05	.99	.86	3,500	395.68/M	EEF-HL0G560R
4	68	0.180	1.8Arms	PCE3536CT-ND	1.05	.99	.86	3,500	395.68/M	EEF-HL0G680R
6.3	47	0.180	1.8Arms	PCE3537CT-ND	1.05	.99	.86	3,500	395.68/M	EEF-HL0J470R
8	33	0.180	1.8Arms	PCE3538CT-ND	1.05	.99	.86	3,500	395.68/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 • Dissipation 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 1000 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	1.75	1.46	1.27	PCS1100BTR-ND	583.71/M	EGG-C0J100R
6.3	22	PCS1220JBCCT-ND	2.12	1.77	1.54	PCS1220JBTR-ND	708.58/M	EGG-C0J220R
6.3	33	PCS1330BCT-ND	2.58	2.16	1.87	—	—	EGG-C0J330R
8.0	15	PCS1150BCT-ND	2.12	1.77	1.54	PCS1150BTR-ND	708.58/M	EGG-C0K150R
8.0	22	PCS1220BCT-ND	2.58	2.16	1.87	—	—	EGG-C0K220R
12.5	4.7	—	—	—	—	PCE2101TR-ND	983.01/M	EGG-C1B447R
16.0	4.7	PCS34R7BCT-ND	1.75	1.46	1.27	PCS34R7BTR-ND	583.71/M	EGG-C1C847R
16.0	6.8	PCS36R8BCT-ND	2.12	1.77	1.54	PCS36R8BTR-ND	708.58/M	EGG-C1C688R

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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