

Panasonic VS Series Aluminum Electrolytic Capacitors, Surface Mount Type – High Temperature (260 °C) (Cont.)



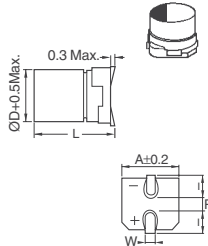
Rated W.V. (VDC)	Nom. Cap. (µF)	tan δ ≤ Spec. Values (120Hz, +20°C)	Max. Leak Current (µA)	Size Code	Max. Ripple Current 120Hz, 85°C (mA rms)	Endurance (hours)	Digi-Key Part No.	Cut Tape Pricing				Digi-Key Part No.	Tape and Reel		Panasonic Part No.
								1	50	100	250		Qty.	Pricing	
35	22	0.12	7.7	D	60	2,000	PCE4634CT-ND	.42	12.23	20.38	38.21	PCE4634TR-ND	1,000	76.08	EEE-1VA220AP
	33	0.16	11.5	D	60	1,000	PCE4639CT-ND	.50	14.41	24.02	45.05	PCE4639TR-ND	1,000	89.69	EEE-1VA330WAP
	33	0.14	11.5	E	130	2,000	PCE4638CT-ND	.53	15.97	27.95	54.90	PCE4638TR-ND	1,000	112.11	EEE-1VA330AP
	47	0.16	16.4	D	70	1,000	PCE4642CT-ND	.50	14.41	24.02	45.05	PCE4642TR-ND	1,000	89.69	EEE-1VA470WAP
	47	0.14	16.4	E	165	2,000	PCE4641CT-ND	.53	15.97	27.95	54.90	PCE4641TR-ND	1,000	112.11	EEE-1VA470AP
	100	0.14	35.0	D8	132	2,000	PCE4633CT-ND	.58	16.70	27.83	52.18	PCE4633TR-ND	900	98.74	EEE-1VA101XAP
	100	0.14	35.0	F	140	1,000	PCE4632CT-ND	.69	20.72	36.26	71.22	PCE4632TR-ND	500	85.29	EEE-1VA101UAP
	100	0.14	35.0	G	210	2,000	PCE4631CT-ND	.81	24.27	42.48	83.44	PCE4631TR-ND	500	99.70	EEE-1VA101AP
	220	0.14	77.0	F	200	1,000	PCE4637CT-ND	.75	22.50	39.38	77.37	PCE4637TR-ND	500	92.49	EEE-1VA221UAP
	220	0.14	77.0	G	310	2,000	PCE4636CT-ND	.81	24.27	42.48	83.44	PCE4636TR-ND	500	99.70	EEE-1VA221AP
50	330	0.30	115.5	G	350	1,000	PCE4640CT-ND	.70	22.18	39.93	85.96	PCE4640TR-ND	500	104.10	EEE-1VA331UAP
	0.1	0.12	3.0	B	1	2,000	PCE4625CT-ND	.41	10.48	16.62	30.72	PCE4625TR-ND	2,000	56.86/M	EEE-1HA10AR
	0.22	0.12	3.0	B	2	2,000	PCE4626CT-ND	.41	10.48	16.62	30.72	PCE4626TR-ND	2,000	56.86/M	EEE-1HA22AR
	0.33	0.12	3.0	B	3	2,000	PCE4627CT-ND	.41	10.48	16.62	30.72	PCE4627TR-ND	2,000	56.86/M	EEE-1HA33AR
	0.47	0.12	3.0	B	5	2,000	PCE4628CT-ND	.41	10.48	16.62	30.72	PCE4628TR-ND	2,000	56.86/M	EEE-1HA47AR
	1	0.12	3.0	B	10	2,000	PCE4611CT-ND	.41	10.48	16.62	30.72	PCE4611TR-ND	2,000	56.86/M	EEE-1HA1R0AR
	2.2	0.12	3.0	B	16	2,000	PCE4615CT-ND	.41	10.48	16.62	30.72	PCE4615TR-ND	2,000	56.86/M	EEE-1HA2R2AR
	3.3	0.12	3.0	B	16	2,000	PCE4619CT-ND	.41	10.48	16.62	30.72	PCE4619TR-ND	2,000	56.86/M	EEE-1HA3R3AR
	4.7	0.14	2.3	B	18	1,000	PCE4624CT-ND	.34	9.66	16.10	30.18	PCE4624TR-ND	2,000	63.27/M	EEE-1HA4R7WAR
	4.7	0.12	3.0	C	23	2,000	PCE4623CT-ND	.36	10.35	17.26	32.36	PCE4623TR-ND	1,000	64.86	EEE-1HA4R7AR
10	0.14	5.0	C	27	1,000	PCE4608CT-ND	.40	11.34	18.90	35.44	PCE4608TR-ND	1,000	70.47	EEE-1HA100WAR	
10	0.12	5.0	D	35	2,000	PCE4607CT-ND	.42	12.23	20.38	38.21	PCE4607TR-ND	1,000	76.08	EEE-1HA100AP	
22	0.14	11.0	D	40	1,000	PCE4613CT-ND	.50	14.41	24.02	45.05	PCE4613TR-ND	1,000	89.69	EEE-1HA220WAP	
22	0.12	11.0	E	120	2,000	PCE4612CT-ND	.53	15.97	27.95	54.90	PCE4612TR-ND	1,000	112.11	EEE-1HA220AP	
33	0.14	16.5	D8	65	2,000	PCE4618CT-ND	.58	16.70	27.83	52.18	PCE4618TR-ND	900	98.74	EEE-1HA330XAP	
33	0.12	16.5	E	65	1,000	PCE4617CT-ND	.53	15.97	27.95	54.90	PCE4617TR-ND	1,000	112.11	EEE-1HA330UAP	
33	0.12	16.5	F	110	2,000	PCE4616CT-ND	.69	20.72	36.26	71.22	PCE4616TR-ND	500	85.29	EEE-1HA330AP	
47	0.14	23.5	D8	105	2,000	PCE4622CT-ND	.58	16.70	27.83	52.18	PCE4622TR-ND	900	98.74	EEE-1HA470XAP	
47	0.12	23.5	F	110	1,000	PCE4621CT-ND	.69	20.72	36.26	71.22	PCE4621TR-ND	500	85.29	EEE-1HA470UAP	
47	0.12	23.5	G	130	2,000	PCE4620CT-ND	.81	24.27	42.48	83.44	PCE4620TR-ND	500	99.70	EEE-1HA470AP	
100	0.18	50.0	F	200	1,000	PCE4610CT-ND	.75	22.50	39.38	77.37	PCE4610TR-ND	500	92.49	EEE-1HA101UAP	
100	0.12	50.0	G	250	2,000	PCE4609CT-ND	.81	24.27	42.48	83.44	PCE4609TR-ND	500	99.70	EEE-1HA101AP	
220	0.18	100.0	G	300	1,000	PCE4614CT-ND	.70	22.18	39.93	85.96	PCE4614TR-ND	500	104.10	EEE-1HA221UAP	

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Panasonic VS Series Aluminum Electrolytic Capacitors, Surface Mount Type



Features: • General Purpose • Life Time: 2000H @ 85°C • High CV Volumetric Efficiency • Tape and Reel Packaging for Automatic Placement



Specifications: • Operating Temperature Range: -40°C – 85°C • Capacitance Tolerance: ±20% (120Hz, 20°C) • Leakage Current: I ≤ 0.01CV or 3(µA) whichever is greater measured after a 2 minute application of rated working voltage at 20°C • Low Temperature Characteristics: Impedance ratio (120Hz)

Soldering: • Reflow: 3mm – 6mm case 250°C for 5 seconds; 8mm – 10mm case 235°C for 5 seconds

Following specified values:

Impedance 120Hz	Working Voltage								
	4.0V	6.3V	10V	16V	25V	35V	50V	63V	100V
-25°C/+20°C	7	4	3	2	2	2	2	3	3
-40°C/+20°C	15	8	6	4	4	3	3	4	4

Size Code	Dimensions – mm					
	D	L	A	I	W	P
A	3.0	5.4	3.3	1.5	0.55 ±0.1	0.6
B	4.0	5.4	4.3	1.8	0.65 ±0.1	1.0
C	5.0	5.4	5.3	2.2	0.65 ±0.1	1.5
D	6.3	5.4	6.6	2.6	0.65 ±0.1	1.8
D8	6.3	7.7	6.6	2.6	0.65 ±0.1	1.8
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. Leak Current (µA)	Size Code	Max. Ripple Current 120Hz, 85°C (mA rms)	Endurance (hours)	Digi-Key Part No.	Cut Tape Pricing				Digi-Key Part No.	Tape and Reel		Panasonic Part No.
								1	50	100	250		Qty.	Pricing	
4	22	0.37	3.0	A	19	1,000	PCE3851CT-ND	.43	11.15	17.68	32.67	PCE3851TR-ND	2,000	60.06/M	EEE-0G6220SR
	33	0.35	3.0	B	26	1,000	PCE3849CT-ND	.36	9.35	14.83	27.40	PCE3849TR-ND	2,000	50.29/M	EEE-0GA330SR
	47	0.35	3.0	B	34	1,000	PCE3850CT-ND	.36	9.35	14.83	27.40	PCE3850TR-ND	2,000	50.29/M	EEE-0GA470SR
	100	0.35	4.0	C	61	1,000	PCE3847CT-ND	.43	11.15	17.68	32.67	PCE3847TR-ND	1,000	63.06	EEE-0GA101SR
	220	0.35	8.8	D	82	1,000	PCE3848CT-ND	.38	10.86	18.10	33.94	PCE3848TR-ND	1,000	67.10	EEE-0GA221SP
6.3	22	0.35	3.0	A	20	1,000	PCE3865CT-ND	.43	11.15	17.68	32.67	PCE3865TR-ND	2,000	60.06/M	EEE-0J220WR
	22	0.26	3.0	B	29	2,000	PCE3857CT-ND	.36	9.35	14.83	27.40	PCE3857TR-ND	2,000	50.29/M	EEE-0JA220SR
	33	0.35	3.0	B	22	1,000	PCE3859CT-ND	.40	10.34	16.39	30.29	PCE3859TR-ND	2,000	55.58/M	EEE-0JA330WR
	47	0.35	3.0	B	36	1,000	PCE3863CT-ND	.40	10.34	16.39	30.29	PCE3863TR-ND	2,000	55.58/M	EEE-0JA470WR
	47	0.26	3.0	C	46	2,000	PCE3862CT-ND	.43	11.15	17.68	32.67	PCE3862TR-ND	1,000	63.06	EEE-0JA470SR
	100	0.35	6.3	C	47	1,000	PCE3853CT-ND	.35	10.04	16.74	31.38	PCE3853TR-ND	1,000	61.93	EEE-0JA101WR
	100	0.26	6.3	D	71	2,000	PCE3852CT-ND	.38	10.86	18.10	33.94	PCE3852TR-ND	1,000	67.10	EEE-0JA101SP
	220	0.35	13.9	D	74	1,000	PCE3858CT-ND	.45	12.83	21.38	40.09	PCE3858TR-ND	1,000	79.42	EEE-0JA221XP
	330	0.35	20.8	D8	188	2,000	PCE3861CT-ND	.52	14.80	24.66	46.25	PCE3861TR-ND	900	86.63	EEE-0JA331XP
	330	0.35	20.8	E	300	2,000	PCE3860CT-ND	.47	14.22	24.89	48.89	PCE3860TR-ND	1,000	98.29	EEE-0JA331P
10	470	0.35	29.6	F	380	2,000	PCE3864CT-ND	.62	18.43	32.26	63.36	PCE3864TR-ND	500	74.87	EEE-0JA471P
	1000	0.35	63.0	F	500	2,000	PCE3855CT-ND	.66	20.00	35.01	68.77	PCE3855TR-ND	500	81.28	EEE-0JA102UP
	1000	0.35	63.0	G	700	2,000	PCE3854CT-ND	.72	21.61	37.81	74.26	PCE3854TR-ND	500	87.77	EEE-0JA102P
	1500	0.35	94.5	G	750	2,000	PCE3856CT-ND	.79	23.70	41.47	81.46	PCE3856TR-ND	500	96.34	EEE-0JA152P
	22	0.30	3.0	B	28	1,000	PCE3869CT-ND	.36	9.35	14.83	27.40	PCE3869TR-ND	2,000	50.29/M	EEE-1AA220WR
	33	0.30	3.3	B	29	1,000	PCE3873CT-ND	.40	10.34	16.39	30.29	PCE3873TR-ND	2,000	55.58/M	EEE-1AA330WR
	33	0.20	3.3	C	43	2,000	PCE3872CT-ND	.43	11.15	17.68	32.67	PCE3872TR-ND	1,000	63.06	EEE-1AA330SR
	47	0.30	4.7	C	43	1,000	PCE3875CT-ND	.35	10.04	16.74	31.38	PCE3875TR-ND	1,000	61.93	EEE-1AA470WR
	100	0.30	10.0	C	50	1,000	PCE3867CT-ND	.35	10.04	16.74	31.38	PCE3867TR-ND	1,000	61.93	EEE-1AA101WR
	100	0.26	10.0	D	70	2,000	PCE3866CT-ND	.38	10.86	18.10	33.94	PCE3866TR-ND	1,000	67.10	EEE-1AA101SP
220	0.20	22.0	D8	173	2,000	PCE3871CT-ND	.52	14.80	24.66	46.25	PCE3871TR-ND	900	86.63	EEE-1AA221XP	
220	0.26	22.0	E	250	2,000	PCE3870CT-ND	.47	14.22	24.89	48.89	PCE3870TR-ND	1,000	98.2		