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Panasonic

FK Series Aluminum Electrolytic Capacitors, Surface Mount Type (Cont.)

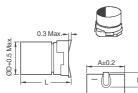
Digi@Reel®

Rated W.V.	Nom. Cap.	tan δ ≤ Spec. Values	Imped- ance	Max. Leakage Current	Size	Max. Ripple Cur. 100KHz. 105°C	Digi-Kev		Cut Tape Pricing		Digi-Key	Tape	and Reel	Panasonic
(VDC)	(μF)	(120Hz, +20°C)	(O)	(μA)	Code	(mA rms)	Part No.	1	50	100	Part No.	Qty.	Pricing	Part No.
	4.7	0.08	3.00	3.0	С	50	PCE3478CT-ND	.64	19.20	33.61	PCE3478TR-ND	1,000	136.02	EEV-FK1J4R7R
	10	0.08	1.50	6.3	D	80	PCE3479CT-ND	.75	22.62		PCE3479TR-ND	1,000	160.24	EEV-FK1J100P
	22	0.08	1.20	13.9	D8	120	PCE3524CT-ND	1.03	30.84	53.96	PCE3524TR-ND	900	208.15	EEV-FK1J220XP
63	22	0.08	1.20	13.9	E	120	PCE3480CT-ND	.97	30.86	55.55	PCE3480TR-ND	1,000	246.88	EEV-FK1J220P
0.0	33	0.08	0.65	20.8	F	250	PCE3481CT-ND	1.25	39.97	71.95	PCE3481TR-ND	500	189.87	EEV-FK1J330P
	47	0.08	0.65	29.6	F	250	PCE3482CT-ND	1.25	39.97	71.95	PCE3482TR-ND	500	189.87	EEV-FK1J470P
	68	0.08	0.35	42.8	G	400	PCE3525CT-ND	1.31	44.49	80.80	PCE3525TR-ND	500	210.97	EEV-FK1J680P
	100	0.08	0.35	63.0	G	400	PCE3483CT-ND	1.31	44.49		PCE3483TR-ND	500	210.78	EEV-FK1J101P
	3.3	0.08	5.00	3.0	С	25	PCE3487CT-ND	.64	19.20	33.61	PCE3487TR-ND	1,000	136.02	EEV-FK1K3R3R
	4.7	0.08	3.00	3.8	D	40	PCE3488CT-ND	.75	22.62	39.59	PCE3488TR-ND	1,000	160.24	EEV-FK1K4R7P
	10	0.08	2.40	8.0	D8	60	PCE3527CT-ND	1.03	30.84	53.96	PCE3527TR-ND	900	208.15	EEV-FK1K100XP
80	10	0.08	2.40	8.0	E	60	PCE3489CT-ND	.97	30.86	55.55	PCE3489TR-ND	1,000	246.88	EEV-FK1K100P
	22	0.08	1.30	17.6	F	130	PCE3490CT-ND	1.25	39.97	71.95	PCE3490TR-ND	500	189.87	EEV-FK1K220P
	33	0.08	1.30	26.4	F	130	PCE3491CT-ND	1.25	39.97	71.95	PCE3491TR-ND	500	189.87	EEV-FK1K330P
	47	0.08	0.70	37.6	G	200	PCE3492CT-ND	1.31	44.49	80.80	PCE3492TR-ND	500	210.78	EEV-FK1K470P
100	22	0.07	1.30	22.0	F	130	PCE3502CT-ND	1.23	39.43	70.98	PCE3502TR-ND	500	187.31	EEV-FK2A220P
100	33	0.07	0.70	33.0	G	200	PCE3503CT-ND	1.29	43.58	79.13	PCE3503TR-ND	500	206.43	EEV-FK2A330

Panasonic FP Series Aluminum Electrolytic Capacitors, Surface Mount Type — **High Temperature Reflow (260°C)**

Digi Reel Reel





Specifications: • Operating Temperature Range: $-55^{\circ}\text{C} - 105^{\circ}\text{C}$ • Capacitance Tolerance: $\pm 20\%$ (120Hz, 20°C) • Leakage Current: I $\pm 0.01\text{CV}$ or 3 (µA) whichever is greater after a 2 minute application of rated working voltage at 20°C • Low Temperature Characteristics: Impedance ratio (120Hz)

Soldering: Reflow (I.R or I.R + Heated Air. VPS is not allowed)

Can Size - mm (Size Code)	Peak Temperature	Duration (Temp. ≥255°C)	Duration (Temp. ≥230°C)	Reflow Frequency
ø4 ~ ø6.3, ø8 x 10.2 (B, C, D, D8, F)	260°C	5 seconds	60 seconds	2‡
ø8 x 6.2, ø10 x 10.2 (E, G)	260°C	5 seconds	60 seconds	1

‡ Capacitor must return to room temperature before the second reflow

Following Specified Values:											
Impedance		Rate	d Working Vo	Itage							
120Hz	6.3V	10V	16V	25V	35V						
-25°C / 20°C	2	2	2	2	2						
-40°C / 20°C	3	3	3	3	3						
-55°C / 20°C	4	4	4	3	3						

Size	Dimensions – mm										
Code	øD	L	A	- 1	W	P					
В	4.0	5.8	4.3	1.8	0.65 ±0.1	1.0					
С	5.0	5.8	5.3	2.2	0.65 ±0.1	1.5					
D	6.3	5.8	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					
Е	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					

W.V. Co.	Rated	Nom.	tan δ ≤		Max. Leakage		Max. Ripple Current			Cut Tape					
22	W.V.	Cap.	Spec. Values					Digi-Key		Pricing				ınd Reel	
A	(VDC)					Code	, ,,								
6.3 100 0.26 0.25 0.3 0.1 0.0 PECHSTOT-MO 0.0 7.7 22.22 37.0 PECHSTOT-MO 0.0 151.30M ELEF-PRIJORAP 0.0 0.0 151.30M ELEF-PRIJORAP 0.0															
100 0.26															
100															
8.3 222 0.26 0.26 0.26 0.27 E															
100															
330 0.26	6.3					μ									
470															
1000															
1500			0.20				850								EEE-EPO 1102AP
1800 0.26 0.08 113.4 6 850 PCE442CT-ND 1.51 51.13 92.84 PCE442TR-ND 500 227.90 EEF-P182UAP															
22															
10					3.0										
150			0.19	0.36				PCE4520CT-ND							EEE-FP1A330AR
220		33	0.19	0.85	3.3	В	160	PCE4521CT-ND	.77	22.22	37.03	PCE4521TR-ND	2,000	131.30/M	EEE-FPA330UAR
10							300								
330															
## 470	10														
680															
1000															
1200 0.19 0.08 120.0 G 850 PGE43SCT-ND 1.51 51.13 92.84 PGE43STR-ND 500 237.90 EEE-FPICTOMAR															
10															
22 0.16 0.36 3.5 C 240 POE4526CT-ND .67 20.14 35.26 PCE4528TR-ND 1,000 114.139 EEE-FPIC22DAR 22.0 1.6 0.85 3.5 B 160 POE4526CT-ND .80 23.78 41.62 PCE4530TR-ND 1,000 166.08 EEE-FPIC22DAR 47 0.16 0.26 7.5 D 300 POE453CT-ND .80 23.78 41.62 PCE4530TR-ND 1,000 166.08 EEE-FPIC27DAP 47 0.16 0.26 16.0 D 300 PCE453CT-ND .80 23.78 41.62 PCE453TR-ND 1,000 166.08 EEE-PTIC37DAP 100 0.16 0.16 0.26 16.0 D 300 PCE453CT-ND .80 23.78 41.62 PCE453TR-ND 1,000 166.08 EEE-PTIC37DAP 150 0.16 0.16 0.26 16.0 D 300 PCE453CT-ND .80 23.78 41.62 PCE453TR-ND 1,000 166.08 EEE-PTIC37DAP 150 0.16 0.16 0.16 0.16 0.16 0.16 0.0 D 300 PCE453CT-ND 1.80 23.78 41.62 PCE453TR-ND 1,000 166.08 EEE-PTIC37DAP 150 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.1					120.0						92.84				
22															
47		22													
47					7.5										
68															
100															
16 100 0.16 0.16 16.0 D8 600 PCE453ECT-ND 1.08 32.43 56.75 PCE453ETR-ND 900 216.13 EEE-FPC15TAAP 220 0.16 0.18 35.2 E 500 PCE453ECT-ND 1.08 32.43 56.75 PCE453ETR-ND 1.000 255.85 EEE-FPC15TAAP 220 0.16 0.16 35.2 D8 600 PCE453ECT-ND 1.01 32.41 58.33 PCE453ETR-ND 1.000 255.85 EEE-FPC15TAAP 220 0.16 0.16 35.2 D8 600 PCE453ECT-ND 1.08 32.43 56.75 PCE453ETR-ND 1.000 255.85 EEE-FPC15TAAP 2470 0.16 0.08 52.8 F 850 PCE453ECT-ND 1.18 39.92 72.47 PCE453ETR-ND 500 186.28 EEE-FP163TAAP 2470 0.16 0.08 131.2 G 880 PCE443ECT-ND 1.38 46.46 84.86 PCE443ETR-ND 500 186.28 EEE-FP163BIAP 220 0.16 0.08 131.2 G 880 PCE443ECT-ND 1.38 46.46 84.86 PCE443ETR-ND 500 216.02 EEE-FP163BIAP 220 0.16 0.08 131.2 G 880 PCE443ECT-ND 1.51 51.13 92.84 PCE443ETR-ND 500 227.90 EEE-FP163BIAP 220 0.14 0.36 5.5 C 240 PCE453ECT-ND 1.57 51.13 92.84 PCE443ETR-ND 1.000 141.39 EEE-FP163BIAP 221 0.14 0.36 5.5 C 240 PCE453ECT-ND 8.0 23.78 41.62 PCE453ETR-ND 1.000 141.39 EEE-FP163BIAP 247 0.14 0.26 11.7 D 300 PCE453ECT-ND 8.0 23.78 41.62 PCE453ETR-ND 1.000 148.13 EEE-FP163BIAP 25 EEE-FP163BIAP 2															
220	16					D8	600								
220		150	0.16	0.16	24.0	D8	600	PCE4535CT-ND	1.08	32.43	56.75	PCE4535TR-ND	900	216.13	EEE-FPC151XAP
A															
## 470															
B80															
820 0.16 0.08 131.2 G 850 PCE4488CT-ND 1.51 51.13 92.84 PCE4438TR-ND 500 237.90 EEE-FPCE2UAP															
10															
22															
33															
33		33			9.0										
47		33				l č									
25 68 0.14 0.26 17.0 D 300 PCE454CT-ND 80 23.78 41.62 PCE454FTR-ND 1.000 166.08 EEE-FP1E80AP 100 0.14 0.16 25.0 D8 600 PCE454CT-ND 1.08 32.43 56.75 PCE454FTR-ND 1.000 255.85 EEE-FP1E80AP 150 0.14 0.08 37.5 F 850 PCE454CT-ND 1.18 39.92 72.47 PCE454STR-ND 900 216.13 EEE-FP1E91AP 150 0.14 0.08 55.0 F 850 PCE454CT-ND 1.18 39.92 72.47 PCE454STR-ND 500 186.28 EEE-FP1E91AP 150 0.14 0.08 10.00 PCE454CT-ND 1.18 39.92 72.47 PCE454STR-ND 500 186.28 EEE-FP1E91AP 150 0.14 0.08 10.00 PCE454CT-ND 1.18 39.92 72.47 PCE454STR-ND 500 186.28 EEE-FP1E91AP 150 0.14 0.08 10.00 PCE454CT-ND 1.18 39.92 72.47 PCE454STR-ND 500 186.28 EEE-FP1E91AP 150 0.14 0.08 10.00 PCE454CT-ND 1.18 39.92 PCE444OT-ND 500 27.00 PCE454CT-ND 1.18 10.00 PCE455CT-ND 1.00 PCE444CT-ND 1.18 10.00 PCE455CT-ND 1.00 PCE445CT-ND 1.00 PCE444CT-ND 1.00 PCE444CT-N															
100	0.5				17.0										
100	25				25.0										
150					25.0		600			32.43			900		
470															
560 0.14 0.08 140.0 G 850 PCE4441CT-ND 1.51 51.13 92.84 PCE4441TR-ND 500 237.90 EEE-FPE61UAP 10															
10															
22 0.12 0.36 7.7 C 240 PCE4550T-ND 5.7 20.14 35.26 PCE4550TR-ND 1,000 141.39 EEE-FP1V220AR 33 0.12 0.26 11.5 D 300 PCE4551CT-ND 8.0 23.78 41.62 PCE4551TR-ND 1,000 166.08 EEE-FP1V320AP 47 0.12 0.16 16.4 D 300 PCE4552T-ND 8.0 23.78 41.62 PCE4552TR-ND 1,000 166.08 EEE-FP1V370AP 68 0.12 0.16 16.4 D 8.00 PCE4553CT-ND 1.01 32.41 58.33 PCE4553TR-ND 900 244.41 EEE-FPV430AP 50 0.12 0.16 35.0 D 8.00 PCE4553CT-ND 1.01 32.41 58.33 PCE4553TR-ND 900 244.41 EEE-FPV40AP 69 0.12 0.08 35.0 F 850 PCE4442CT-ND 1.18 39.66 72.01 PCE4442TR-ND 500 184.60 EEE-FPV101AP 150 0.12 0.08 52.5 F 850 PCE4443CT-ND 1.18 39.66 72.01 PCE4444TR-ND 500 184.60 EEE-FPV101AP 220 0.12 0.08 77.0 F 850 PCE4444CT-ND 1.18 39.66 72.01 PCE4444TR-ND 500 184.60 EEE-FPV101AP 330 0.12 0.06 115.5 G 1190 PCE4444CT-ND 1.38 46.6 84.36 PCE4444TR-ND 500 184.60 EEE-FPV1231AP 350 750															
33 0.12 0.26 11.5 D 300 PCE4551CT-ND 80 23.78 41.62 PCE4551TR-ND 1,000 166.08 EEE-FP1V330AP 47		10			3.5	B									
47 0.12 0.26 16.4 D 300 PCE4552T-ND 8.0 23.78 41.62 PCE4552TR-ND 1.000 166.08 EEE-FP1V470AP 6.0 0.12 0.16 16.4 D.0 0.0 PCE4552T-ND 1.0 0.0 0.12 0.16 16.4 D.0 0.0 PCE4552T-ND 1.0 0.0 PCE4552T-ND 1.0 0.0 0.12 0.16 35.0 D.0 0.0 PCE4554CT-ND 1.0 0.0 0.12 0.16 35.0 D.0 0.0 PCE4554CT-ND 1.0 0.0 0.12 0.0 0.0 0.12 0.0 0.0 0.12 0.0 0.0 0.0 0.0 PCE4554CT-ND 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
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220 0.12 0.08 77.0 F 850 PCE4444CT-ND 1.18 39.66 72.01 PCE4444TR-ND 500 184.60 EEE-FP1V221AP 330 0.12 0.06 115.5 G 1190 PCE4445CT-ND 1.38 46.46 84.36 PCE4445TR-ND 500 216.02 EEE-FP1V331AP															
330 0.12 0.06 115.5 G 1190 PCE4445CT-ND 1.38 46.46 84.36 PCE4445TR-ND 500 216.02 EEE-FP1V331AP	1														
		390	0.12	0.08	136.5	G		PCE4446CT-ND		51.13		PCE4446TR-ND	500		EEE-FPV391UAP

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