

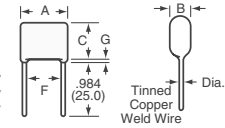
Panasonic® E-Series Metallized Polyester Capacitors

General Specifications:

Electrical: Rated Voltage 100VDC, 250VDC, 400 V.D.C., 630 V.D.C. Capacitance Tolerance ±10% (K) Insulation Resistance: Less than 0.33µF, 9,000MΩ; More than 0.33µF, 3,000MΩ. Dissipation Factor = 1.0% at 1kHz Withstanding Voltage Rated Voltage X 1.5 (1 minute) Operating Temperature -40°C - 85°C

Panasonic ECQ-E Cross References:

Sprague: DF/A50P/451P/453P; Westlake: 160/168/185/167/184/186; Mepco: 713A/719A/1C/280; TRW: X601PE/X601CPE; Packtron: MF/RB; Secor: MMS/MMKR/ MMDR; RIFA: PHE353/PH354; Roederstein: MKT1818/MKT1822; WIMA: MKS; CSF Thompson: MD/MC; Siemens: B325-XX; Rubycon: MC/MN; Nichicon: DDXM.



Working Voltage	Cap. µF	Dimensions (mm)						Dia.	Digi-Key Part No.	Pricing					Panasonic Part No.
		A	B	C	F	G	1			10	100	1,000	5,000	10,000	
100	.1	12.0	4.0	7.4	10.0	1.0	.6	E1104-ND	.25	2.13	16.72	106.51	100.35/M	92.40/M	ECQ-E1104KZ
	.12	12.0	4.5	7.4	10.0	1.0	.6	E1124-ND	.25	2.20	17.24	109.77	103.43/M	95.23/M	ECQ-E1124KZ
	.15	12.0	4.0	9.5	10.0	1.0	.6	E1154-ND	.26	2.27	17.74	113.03	106.50/M	98.06/M	ECQ-E1154KZ
	.18	12.0	4.5	10.0	10.0	1.0	.6	E1184-ND	.28	2.40	18.77	119.55	112.64/M	103.72/M	ECQ-E1184KZ
	.22	12.0	5.0	10.5	10.0	1.0	.6	E1224-ND	.30	2.57	20.13	128.25	120.83/M	111.26/M	ECQ-E1224KZ
	.27	17.0	4.5	8.0	15.0	1.0	.6	E1274-ND	.33	2.83	22.18	141.29	133.12/M	122.58/M	ECQ-E1274KZ
	.33	17.0	4.5	10.0	15.0	1.0	.6	E1334-ND	.37	3.16	24.74	157.59	148.48/M	136.72/M	ECQ-E1334KZ
	.39	17.0	5.0	10.0	15.0	1.0	.6	E1394-ND	.38	3.27	25.59	163.02	153.60/M	141.43/M	ECQ-E1394KZ
	.47	17.0	5.5	11.0	15.0	1.0	.6	E1474-ND	.40	3.44	26.96	171.72	161.79/M	148.98/M	ECQ-E1474KZ
	.56	17.0	6.5	11.5	15.0	1.0	.6	E1564-ND	.46	3.96	31.05	197.80	186.37/M	171.60/M	ECQ-E1564KZ
	.68	17.0	7.0	12.0	15.0	1.0	.8	E1684-ND	.52	4.51	35.32	224.97	211.97/M	195.18/M	ECQ-E1684KZ
	.82	17.0	7.5	13.0	15.0	1.0	.8	E1824-ND	.57	4.94	38.73	246.71	232.45/M	214.03/M	ECQ-E1824KZ
	1.0	17.0	8.0	14.0	15.0	1.0	.8	E1105-ND	.62	5.38	42.14	268.45	252.92/M	232.89/M	ECQ-E1105KZ
	1.2	17.0	8.5	16.0	15.0	1.0	.8	E1125-ND	.73	6.23	48.79	310.83	292.86/M	269.66/M	ECQ-E1125KZ
	1.5	25.5	7.5	14.5	22.5	1.0	.8	E1155-ND	.85	7.27	56.98	363.00	342.01/M	314.92/M	ECQ-E1155KZ
	1.8	25.5	8.5	16.0	22.5	1.0	.8	E1185-ND	.94	8.08	63.30	403.21	379.90/M	349.80/M	ECQ-E1185KZ
	2.2	25.5	9.5	16.5	22.5	1.0	.8	E1225-ND	1.07	9.15	71.66	456.47	430.07/M	396.00/M	ECQ-E1225KZ
	2.7	25.5	10.0	18.5	22.5	1.0	.8	E1275-ND	1.21	10.38	81.38	519.36	489.44/M	449.75/M	ECQ-E1275KZ
	3.3	30.5	10.0	19.0	22.5	1.0	.8	E1335-ND	1.55	13.24	103.73	660.79	622.58/M	575.26/M	ECQ-E1335KZ
	3.9	30.5	11.0	18.0	27.5	1.5	.8	E1395-ND	1.75	15.01	117.55	748.82	705.52/M	643.63/M	ECQ-E1395KZ
250	4.7	30.5	11.0	20.5	27.5	1.5	.8	E1475-ND	1.97	16.92	132.57	844.46	795.63/M	732.60/M	ECQ-E1475KZ
	5.6	30.5	12.5	21.0	27.5	1.5	.8	E1565-ND	2.34	20.12	157.64	1004.22	946.15/M	871.20/M	ECQ-E1565KZ
	6.8	30.5	13.0	24.0	27.5	1.5	.8	E1685-ND	2.66	22.85	178.97	1140.07	1074.15/M	989.06/M	ECQ-E1685KZ
	8.2	30.5	15.0	25.0	27.5	1.5	.8	E1825-ND	3.08	26.35	206.44	1315.05	1239.01/M	1140.86/M	ECQ-E1825KZ
	10.0	32.5	16.0	27.0	27.5	1.5	.8	E2105-ND	3.58	30.67	240.73	1530.25	1441.76/M	1339.59/M	ECQ-E2105KZ
	.01	12.5	5.0	8.5	10.0	1.0	.6	E2123-ND	.23	1.94	15.19	96.72	91.14/M	83.92/M	ECQ-E2123KZ
	.012	12.5	5.0	8.5	10.0	1.0	.6	E2123-ND	.23	1.94	15.19	96.72	91.14/M	83.92/M	ECQ-E2123KZ
	.015	12.5	5.0	8.5	10.0	1.0	.6	E2153-ND	.23	1.94	15.19	96.72	91.14/M	83.92/M	ECQ-E2153KZ
	.018	12.5	5.0	8.5	10.0	1.0	.6	E2183-ND	.23	1.94	15.19	96.72	91.14/M	83.92/M	ECQ-E2183KZ
	.022	12.5	5.0	8.5	10.0	1.0	.6	E2223-ND	.23	1.94	15.19	96.72	91.14/M	83.92/M	ECQ-E2223KZ
	.027	12.5	5.0	8.5	10.0	1.0	.6	E2273-ND	.23	1.94	15.19	96.72	91.14/M	83.92/M	ECQ-E2273KZ
	.033	12.5	5.0	8.5	10.0	1.0	.6	E2333-ND	.23	1.94	15.19	96.72	91.14/M	83.92/M	ECQ-E2333KZ
	.039	12.5	5.0	8.5	10.0	1.0	.6	E2393-ND	.23	1.94	15.19	96.72	91.14/M	83.92/M	ECQ-E2393KZ
	.047	12.5	5.0	8.0	10.0	1.0	.6	E2473-ND	.19	1.59	12.46	79.34	74.75/M	68.83/M	ECQ-E2473KZ
	.056	12.5	5.5	8.5	10.0	1.0	.6	E2563-ND	.23	2.00	15.70	99.98	94.21/M	86.75/M	ECQ-E2563KZ
	.068	12.5	5.5	8.5	10.0	1.0	.6	E2683-ND	.24	2.05	16.04	102.16	96.26/M	88.63/M	ECQ-E2683KZ
	.082	12.5	5.5	10.0	10.0	1.0	.6	E2823-ND	.25	2.13	16.72	106.51	100.35/M	92.40/M	ECQ-E2823KZ
	.10	12.5	5.5	10.5	10.0	1.0	.6	E2104-ND	.19	1.60	12.51	79.66	75.06/M	69.12/M	ECQ-E2104KZ
	.12	17.5	5.5	10.0	15.0	1.0	.8	E2124-ND	.29	2.48	19.45	123.90	116.74/M	107.49/M	ECQ-E2124KZ
	.15	17.5	6.0	10.5	15.0	1.0	.8	E2154-ND	.35	2.70	21.77	136.77	133.12/M	122.58/M	ECQ-E2154KZ
.18	17.5	6.0	10.5	15.0	1.0	.8	E2184-ND	.33	2.83	22.18	141.29	133.12/M	122.58/M	ECQ-E2184KZ	
.22	17.5	6.0	11.0	15.0	1.0	.8	E2224-ND	.28	2.40	18.75	119.44	112.54/M	103.62/M	ECQ-E2224KZ	
.27	23.0	6.0	10.5	20.0	1.0	.8	E2274-ND	.40	3.42	26.79	170.63	160.77/M	148.03/M	ECQ-E2274KZ	
.33	23.0	6.0	11.0	20.0	1.0	.8	E2334-ND	.44	3.75	29.34	186.93	176.13/M	162.18/M	ECQ-E2334KZ	
.39	23.0	6.5	11.5	20.0	1.0	.8	E2394-ND	.47	4.03	31.57	201.07	189.44/M	174.43/M	ECQ-E2394KZ	
.47	23.0	7.0	12.0	20.0	1.0	.8	E2474-ND	.50	4.31	33.78	215.19	202.75/M	186.69/M	ECQ-E2474KZ	
.56	23.0	7.5	13.0	20.0	1.0	.8	E2564-ND	.55	4.59	36.01	232.94	222.58/M	205.54/M	ECQ-E2564KZ	
.68	23.0	8.5	14.0	20.0	1.0	.8	E2684-ND	.61	5.21	40.78	259.75	244.73/M	226.65/M	ECQ-E2684KZ	
.82	31.0	7.5	13.0	27.5	1.0	.8	E2824-ND	.67	5.73	44.87	285.83	269.31/M	247.98/M	ECQ-E2824KZ	
1.0	31.0	8.5	14.0	27.5	1.0	.8	E2105-ND	.71	6.08	47.60	303.22	285.69/M	263.06/M	ECQ-E2105KZ	
1.2	31.0	8.5	16.0	27.5	1.0	.8	E2125-ND	.78	6.66	52.21	332.57	313.34/M	288.52/M	ECQ-E2125KZ	
1.5	31.0	9.5	17.0	27.5	1.0	.8	E2155-ND	1.00	8.58	67.22	428.21	403.45/M	371.49/M	ECQ-E2155KZ	
1.8	31.0	9.5	18.5	27.5	1.0	.8	E2185-ND	1.21	10.35	81.04	516.24	486.39/M	447.86/M	ECQ-E2185KZ	
2.2	31.0	10.5	19.5	27.5	1.0	.8	E2225-ND	1.21	10.35	81.04	516.24	486.39/M	447.86/M	ECQ-E2225KZ	
.01	14.0	5.0	8.5	10.5	1.0	.6	E4103-ND	.30	2.61	20.47	130.42	122.88/M	113.15/M	ECQ-E4103KZ	
.012	14.0	5.5	8.5	10.5	1.0	.6	E4123-ND	.30	2.61	20.47	130.42	122.88/M	113.15/M	ECQ-E4123KZ	
.015	14.0	5.0	8.5	10.5	1.0	.6	E4153-ND	.31	2.70	21.16	134.77	126.98/M	116.92/M	ECQ-E4153KZ	
.018	14.0	5.5	8.5	10.5	1.0	.6	E4183-ND	.31	2.70	21.16	134.77	126.98/M	116.92/M	ECQ-E4183KZ	
.022	14.0	5.5	10.0	10.5	1.0	.6	E4223-ND	.32	2.72	21.33	135.86	128.00/M	117.86/M	ECQ-E4223KZ	
.027	14.0	5.5	10.5	10.5	1.0	.6	E4273-ND	.34	2.90	22.69	144.55	136.19/M	125.40/M	ECQ-E4273KZ	
.033	14.0	6.0	11.0	10.5	1.0	.6	E4333-ND	.36	3.09	24.33	153.36	145.41/M	132.00/M	ECQ-E4333KZ	
.039	14.0	6.5	11.5	10.5	1.0	.6	E4393-ND	.36	3.09	24.23	154.33	145.41/M	133.89/M	ECQ-E4393KZ	
.047	14.0	7.0	12.0	10.5	1.0	.6	E4473-ND	.36	3.09	24.23	154.33	145.41/M	133.89/M	ECQ-E4473KZ	
.056	17.0	6.5	11.0	13.5	1.0	.6	E4563-ND	.39	3.33	26.11	166.28	156.67/M	144.26/M	ECQ-E4563KZ	
.068	17.0	7.0	12.0	13.5	1.0	.6	E4683-ND	.41	3.53	27.64	176.06	165.89/M	152.75/M	ECQ-E4683KZ	
.082	17.0	7.5	12.5	13.5	1.0	.6	E4823-ND	.43	3.68	28.84	183.67	173.05/M	159.35/M	ECQ-E4823KZ	
.10	17.0	7.5	14.5	13.5	1.0	.6	E4104-ND	.42	3.62	28.32	180.41	169.98/M	156.52/M	ECQ-E4104KZ	
.12	17.0	8.5	15.5	13.5	1.0	.6	E4124-ND	.48	4.15	32.41	193.54/M	178.25/M	163.24/M	ECQ-E4124KZ	
.15	17.0	9.0	16.5	13.5	1.0	.6	E4154-ND	.52	4.51	35.32	224.97	217.97/M	195.18/M	ECQ-E4154KZ	
.18	17.0	10.0	17.0	13.5	1.0	.6	E4184-ND	.56	4.81	37.71	240.19	226.30/M	208.38/M	ECQ-E4184KZ	
.22	24.5	8.5	15.5	2											