

Panasonic® B-Series Polyester Capacitors

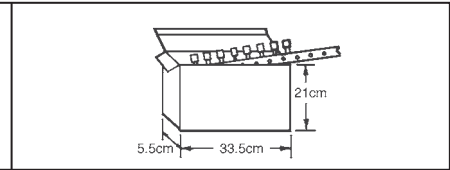
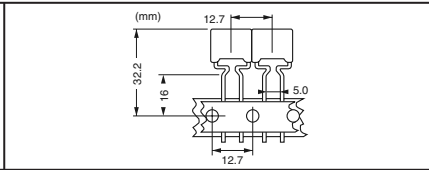
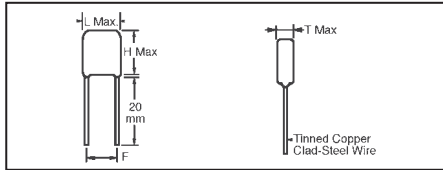
PANASONIC EQC-B CROSS REFERENCE: Sprague: 225P, 418P; Mepco: 713D1, 711D1, 719D1; TRW: 601PE, 601CPE; Packtron: PE, FM; Secor: MFDW, MFDR; Roederstein: KT1805, KT1806, KT1807, KT1808; Wima: FKS; CSF Thompson: ED (Dip); Rubycon: F2X, F2S, F3U; Nichicon: TDY; Nissei: AMZ, AMX, AMR, AMM.

SPECIFICATIONS: • Operating Temp. Range: -40°C – 85°C • Rated Voltage: DC 50V, 100V, 200V. • Capacitance Range: .0001 – 0.47µF • Capacitance Tolerance: ±5% (J), ±10% (K) • Dissipation Factor: 1.0% (20°C, 1kHz) • Withstand Voltage: Between Terminals: rated voltage(V, DC) x 250% 1

– 5 sec. • Insulation Resistance: C_s 0.33µF: 30000MΩ min. (20°C, 50VDC 60s; EQCB1(F), C) > 0.33µF: 10000MΩ min. (20°C, 100VDC 60s; EQCB1(F), EQCB2(F)) • Construction: Polyester film, non-inductive, epoxy coating.

FEATURES: High volumetric efficiency; non-inductive construction; low-loss, high stability; and epoxy resin coating.

APPLICATIONS: Blocking, by-pass and coupling of DC and signal to VHF range; pulse, logic and timing circuits; light duty pulse forming networks; filter & noise suppression circuits; and general purpose usage.



Cap. µF	Tolerance	Dimensions (mm)	Digi-Key Part No.	10	100	1,000	5,000	Panasonic Part No.
50WV (Bulk Pkg.) – RoHS Compliant								
.0001	±10%	7.0 3.0 6.0 5.0	P4570-ND	.52	3.48	27.59	26.14M	ECO-B1H101KF
.00012	±10%	7.0 3.0 6.0 5.0	P4571-ND	.52	3.48	27.59	26.14M	ECO-B1H121KF
.00015	±10%	7.0 3.0 6.0 5.0	P4572-ND	.52	3.48	27.59	26.14M	ECO-B1H151KF
.00018	±10%	7.0 3.0 6.0 5.0	P4573-ND	.52	3.48	27.59	26.14M	ECO-B1H181KF
.00022	±10%	7.0 3.0 6.0 5.0	P4574-ND	.52	3.48	27.59	26.14M	ECO-B1H221KF
.00033	±10%	7.0 3.0 6.0 5.0	P4576-ND	.52	3.48	27.59	26.14M	ECO-B1H331KF
.00039	±10%	7.0 3.0 6.0 5.0	P4577-ND	.52	3.48	27.59	26.14M	ECO-B1H391KF
.00047	+5%	7.0 3.0 6.0 5.0	P4578-ND	.52	3.48	27.59	26.14M	ECO-B1H471JF
.00056	+5%	7.0 3.0 6.0 5.0	P4579-ND	.52	3.48	27.59	26.14M	ECO-B1H561JF
.00068	+5%	7.0 3.0 6.0 5.0	P4580-ND	.52	3.48	27.59	26.14M	ECO-B1H681JF
.00082	+5%	7.0 3.0 6.0 5.0	P4581-ND	.52	3.48	27.59	26.14M	ECO-B1H821JF
.001	+5%	7.0 3.0 6.0 5.0	P4581-ND*	.52	3.48	27.59	26.14M	ECO-B1H102JF
.0015	+5%	7.0 3.0 6.0 5.0	P4582-ND*	.52	3.48	27.59	26.14M	ECO-B1H152JF
.0018	+5%	7.0 3.0 6.0 5.0	P4583-ND*	.52	3.48	27.59	26.14M	ECO-B1H182JF
.0022	+5%	7.0 3.0 6.0 5.0	P4584-ND*	.52	3.48	27.59	26.14M	ECO-B1H222JF
.0027	+5%	7.0 3.0 6.0 5.0	P4585-ND*	.52	3.48	27.59	26.14M	ECO-B1H272JF
.0033	+5%	7.0 3.0 6.0 5.0	P4586-ND*	.52	3.48	27.59	26.14M	ECO-B1H332JF
.0039	+5%	7.0 3.0 6.0 5.0	P4587-ND*	.52	3.48	27.59	26.14M	ECO-B1H392JF
.0047	+5%	7.0 3.0 6.0 5.0	P4588-ND*	.52	3.48	27.59	26.14M	ECO-B1H472JF
.0056	+5%	7.0 3.0 6.0 5.0	P4589-ND*	.52	3.48	27.59	26.14M	ECO-B1H562JF
.0068	+5%	7.0 3.0 6.0 5.0	P4590-ND*	.52	3.48	27.59	26.14M	ECO-B1H682JF
.01	+5%	7.0 3.0 6.0 5.0	P4591-ND*	.52	3.48	27.59	26.14M	ECO-B1H822JF
.012	+5%	7.3 3.3 6.0 5.0	P4592-ND*	.52	3.48	27.59	26.14M	ECO-B1H123JF
.015	+5%	7.5 3.0 6.0 5.0	P4584-ND	.57	3.78	29.77	28.32M	ECO-B1H153JF
.018	+5%	7.5 3.0 6.0 5.0	P4585-ND	.59	3.92	30.49	29.77M	ECO-B1H183JF
.022	+5%	7.5 3.0 6.0 5.0	P4586-ND	.59	3.92	30.49	29.77M	ECO-B1H223JF
.027	+5%	7.5 3.5 6.5 5.0	P4587-ND	.61	4.07	31.94	30.57M	ECO-B1H333JF
.033	+5%	7.5 3.5 6.5 5.0	P4588-ND	.63	4.21	32.67	31.95M	ECO-B1H393JF
.039	+5%	7.5 4.0 7.0 5.0	P4589-ND	.65	4.36	34.12	32.67M	ECO-B1H473JF
.047	+5%	7.5 4.0 7.0 5.0	P4590-ND	.68	4.50	34.85	34.13M	ECO-B1H563JF
.056	+5%	8.0 4.3 7.5 5.0	P4591-ND	.72	4.79	37.75	36.30M	ECO-B1H683JF
.068	+5%	8.0 4.3 8.5 5.0	P4592-ND	.83	5.52	42.83	41.39M	ECO-B1H823JF
.082	+5%	8.0 4.5 9.0 5.0	P4593-ND	.87	5.81	45.74	43.56M	ECO-B1H1044JF
.1	+5%	8.0 5.0 10.0 5.0	P4594-ND	.94	6.24	48.64	47.19M	ECO-B1H1244JF
.12	+5%	11.0 5.0 11.6 7.5	P4595-ND	2.29	15.25	119.06	115.44M	ECO-B1H1544JF
.15	+5%	11.0 5.0 12.0 7.5	P4596-ND	2.46	16.41	128.50	124.15M	ECO-B1H1844JF
.18	+5%	11.0 6.0 12.4 7.5	P4597-ND	2.57	17.13	133.59	129.23M	ECO-B1H2244JF
.22	+5%	11.0 6.0 13.0 7.5	P4598-ND	2.87	19.17	149.56	144.48M	ECO-B1H2744JF
.27	+5%	13.0 6.0 14.4 10.0	P4599-ND	3.59	23.96	187.31	180.78M	ECO-B1H3344JF
.33	+5%	13.0 6.0 15.0 10.0	P4600-ND	3.88	25.85	201.83	195.30M	ECO-B1H3944JF
.39	+5%	13.0 6.5 15.4 10.0	P4734-ND	4.18	27.88	217.80	210.54M	ECO-B1H4744JF
.47	+5%	13.0 7.5 16.2 10.0	P4735-ND	4.60	30.64	239.58	231.60M	ECO-B1H5644JF

Cap. µF	Tolerance	Dimensions (mm)	Digi-Key Part No.	10	100	Pricing	5,000	Panasonic Part No.
100WV (Bulk Pkg.)								
.18	+5%	13.0 7.5 14.4 10.0	P4659-ND	2.58	17.21	134.31	129.96M	ECO-B1184JF
.22	+5%	13.0 8.0 15.2 10.0	P4660-ND	2.95	19.66	153.91	148.83M	ECO-B1224JF
.27	+5%	13.0 8.5 17.2 10.0	P4661-ND	3.32	22.11	172.79	166.98M	ECO-B1274JF
.33	+5%	13.0 9.0 18.0 10.0	P4662-ND	3.69	24.57	191.66	185.86M	ECO-B1334JF
.39	+5%	13.0 10.5 19.0 10.0	P4663-ND	4.42	29.48	230.14	222.89M	ECO-B1394JF
.47	+5%	13.0 11.5 19.2 10.0	P4664-ND	5.52	36.84	287.50	278.06M	ECO-B1474JF
200WV (Bulk Pkg.)								
.001	+5%	8.5 4.0 7.0 5.0	P4537A-ND	1.02	6.75	53.00	50.82M	ECO-B2102JF
.0012	+5%	8.5 4.0 7.5 5.0	P4538A-ND	1.02	6.75	53.00	50.82M	ECO-B2122JF
.0015	+5%	8.5 4.0 7.5 5.0	P4539A-ND	1.02	6.75	53.00	50.82M	ECO-B2152JF
.0018	+5%	8.5 4.5 7.5 5.0	P4540A-ND	1.02	6.75	53.00	50.82M	ECO-B2182JF
.0022	+5%	8.5 4.5 7.5 5.0	P4541A-ND	1.02	6.75	53.00	50.82M	ECO-B2222JF
.0027	+5%	8.5 4.5 8.0 5.0	P4542A-ND	1.02	6.75	53.00	50.82M	ECO-B2272JF
.0033	+5%	11.0 4.5 7.5 7.5	P4543A-ND	1.02	6.75	53.00	50.82M	ECO-B2332JF
.0039	+5%	11.0 4.5 7.5 7.5	P4544A-ND	1.02	6.75	53.00	50.82M	ECO-B2392JF
.0047	+5%	11.0 4.5 8.5 7.5	P4545A-ND	1.02	6.75	53.00	50.82M	ECO-B2472JF
.0056	+5%	11.0 4.5 8.5 7.5	P4546A-ND	1.02	6.75	53.00	50.82M	ECO-B2562JF
.0068	+5%	11.0 4.5 9.0 7.5	P4547A-ND	1.02	6.75	53.00	50.82M	ECO-B2682JF
.0082	+5%	11.0 4.5 9.0 7.5	P4548A-ND	1.02	6.75	53.00	50.82M	ECO-B2822JF
.01	+5%	11.0 4.5 10.0 7.5	P4549A-ND	1.02	6.75	53.00	50.82M	ECO-B2103JF
.012	+5%	11.0 5.0 10.5 7.5	P4550A-ND	1.02	6.75	53.00	50.82M	ECO-B2123JF
.015	+5%	11.0 5.0 10.5 7.5	P4551A-ND	1.05	6.98	54.45	53.00M	ECO-B2153JF
.018	+5%	11.0 5.5 12.2 7.5	P4552A-ND	1.13	7.48	58.08	56.63M	ECO-B2183JF
.022	+5%	11.0 6.0 12.6 7.5	P4553A-ND	1.21	8.04	63.16	60.99M	ECO-B2223JF
.027	+5%	11.0 6.5 13.2 7.5	P4554A-ND	1.26	8.39	65.34	63.17M	ECO-B2273JF
.033	+5%	11.0 7.0 13.6 7.5	P4555A-ND	1.29	8.55	66.79	64.62M	ECO-B2333JF
.039	+5%	13.5 5.0 14.4 10.0	P4556A-ND	1.29	8.55	66.79	64.62M	ECO-B2393JF
.056	+5%	13.5 6.0 15.4 10.0	P4558A-ND	1.29	8.62	67.52	65.34M	ECO-B2563JF
.068	+5%	16.0 5.5 15.0 12.5	P4559A-ND	1.32	8.83	68.97	66.80M	ECO-B2683JF
.082	+5%	16.0 6.0 15.4 12.5	P4560A-ND	1.35	9.02	70.42	68.25M	ECO-B2823JF
.1	+5%	16.0 7.0 16.0 12.5	P4561A-ND	1.39	9.22	71.87	69.70M	ECO-B2104JF
.12	+5%	19.0 6.5 17.6 15.0	P4562A-ND	2.21	14.77	115.43	111.81M	ECO-B2124JF
.15	+5%	19.0 7.5 18.4 15.0	P4563A-ND	2.66	17.70	137.94	133.59M	ECO-B2154JF
.18	+5%	19.0 8.0 19.0 15.0	P4564A-ND	3.10	20.65	161.17	156.09M	ECO-B2184JF
.22	+5%	19.0 9.0 20.0 15.0	P4565A-ND	3.54	23.60	184.40	177.87M	ECO-B2224JF
.27	+5%	24.0 8.0 19.4 20.0	P4566A-ND	3.98	26.50	207.64	200.38M	ECO-B2274JF
.33	+5%	24.0 9.0 20.4 20.0	P4567A-ND	4.42	29.49	230.14	222.89M	ECO-B2334JF
.39	+5%	24.0 10.0 21.2 20.0	P4568A-ND	5.31	35.37	276.61	267.17M	ECO-B2394JF
.47	+5%	24.0 11.5 22.2 20.0	P4569A-ND	6.64	44.23	345.58	333.96M	ECO-B2474JF

Cap. µF	Tolerance	Dimensions (mm)	Digi-Key Part No.	10	100	1,000	5,000	Panasonic Part No.
50WV (Ammo Box Pkg.)								
.0001	±10%	7.0 3.0 6.0 5.0	P4570TB-ND	2,000	27.59M			ECO-B1H101KF3
.00012	±10%	7.0 3.0 6.0 5.0	P4571TB-ND	2,000	27.59M			ECO-B1H121KF3
.00015	±10%	7.0 3.0 6.0 5.0	P4572TB-ND	2,000	27.59M			ECO-B1H151KF3
.00018	±10%	7.0 3.0 6.0 5.0	P4573TB-ND	2,000	27.59M			ECO-B1H181KF3
.00022	±10%	7.0 3.0 6.0 5.0	P4574TB-ND	2,000	27.59M			ECO-B1H221KF3
.00027	+10%	7.0 3.0 6.0 5.0	P4575TB-ND	2,000	27.59M			ECO-B1H271KF3
.00033	+10%	7.0 3.0 6.0 5.0	P4576TB-ND	2,000	27.59M			ECO-B1H331KF3
.00039	+10%	7.0 3.0 6.0 5.0	P4577TB-ND	2,000	27.59M			ECO-B1H391KF3
.00047	+5%	7.0 3.0 6.0 5.0	P4578TB-ND	2,000	27.59M			ECO-B1H471JF3
.00056	+5%	7.0 3.0 6.0 5.0	P4579TB-ND	2,000	27.59M			ECO-B1H561JF3
.00068	+5%	7.0 3.0 6.0 5.0	P4580TB-ND	2,000	27.59M			ECO-B1H681JF3
.00082	+5%	7.0 3.0 6.0 5.0	P4581TB-ND	2,000	27.59M			ECO-B1H821JF3
.001	+5%	7.0 3.0 6.0 5.0	P4581TB-ND*	2,000	27.59M			ECO-B1H102JF3
.0015	+5%	7.0 3.0 6.0 5.0	P4582TB-ND*	2,000	27.59M			ECO-B1H152JF3
.0018	+5%	7.0 3.0 6.0 5.0	P4583TB-ND*	2,000	27.59M			ECO-B1H182JF3
.0022	+5%	7.0 3.0 6.0 5.0	P4584TB-ND*	2,000				