

# Panasonic® B-Series Polyester Capacitors

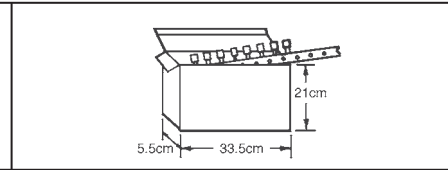
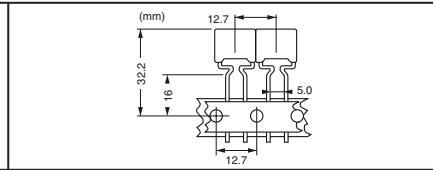
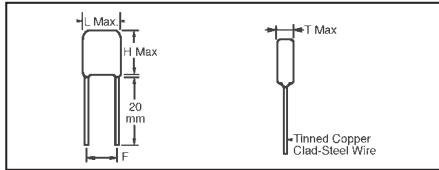
**PANASONIC EQC-B CROSS REFERENCE:** Sprague: 225P, 418P; Mepco: 713D1, 711D1, 719D1; TRW: 601PE, 601CPE; Packtron: PE, FM; Secor: MFDW, MFDR; Roederstein: KT1805, KT1806, KT1807, KT1898; Wima: FKS; CSF Thompson: ED (Dip); Rubycon: F2X, F2S, F3U; Nichicon: TDY; Nissei: AMZ, AMX, AMR, AMM.

**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<sub>s</sub> 0.33µF: 30000MΩ min. (20°C, 50VDC 60s; EQCB1H(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.	Pricing				Panasonic Part No.
		L	T	H	F		10	100	1,000	5,000	
<b>50WV (Bulk Pkg.) — RoHS Compliant</b>											
.001	±10%	7.0	3.0	6.0	5.0	P4570-ND	.72	4.80	38.00	36.00/M	ECO-B1H101KF
.0012	±10%	7.0	3.0	6.0	5.0	P4571-ND	.72	4.80	38.00	36.00/M	ECO-B1H121KF
.0015	±10%	7.0	3.0	6.0	5.0	P4572-ND	.72	4.80	38.00	36.00/M	ECO-B1H151KF
.0018	±10%	7.0	3.0	6.0	5.0	P4573-ND	.72	4.80	38.00	36.00/M	ECO-B1H181KF
.0022	±10%	7.0	3.0	6.0	5.0	P4574-ND	.72	4.80	38.00	36.00/M	ECO-B1H221KF
.0033	±10%	7.0	3.0	6.0	5.0	P4576-ND	.72	4.80	38.00	36.00/M	ECO-B1H331KF
.0039	±10%	7.0	3.0	6.0	5.0	P4577-ND	.72	4.80	38.00	36.00/M	ECO-B1H391KF
.0047	±5%	7.0	3.0	6.0	5.0	P4578-ND	.72	4.80	38.00	36.00/M	ECO-B1H471JF
.0056	±5%	7.0	3.0	6.0	5.0	P4579-ND	.72	4.80	38.00	36.00/M	ECO-B1H561JF
.0068	±5%	7.0	3.0	6.0	5.0	P4580-ND	.72	4.80	38.00	36.00/M	ECO-B1H681JF
.0082	±5%	7.0	3.0	6.0	5.0	P4581-ND	.72	4.80	38.00	36.00/M	ECO-B1H821JF
.01	±5%	7.0	3.0	6.0	5.0	P4582-ND	.72	4.80	38.00	36.00/M	ECO-B1H102JF
.015	±5%	7.0	3.0	6.0	5.0	P4583-ND	.72	4.80	38.00	36.00/M	ECO-B1H152JF
.018	±5%	7.0	3.0	6.0	5.0	P4584-ND	.72	4.80	38.00	36.00/M	ECO-B1H182JF
.022	±5%	7.0	3.0	6.0	5.0	P4585-ND	.72	4.80	38.00	36.00/M	ECO-B1H222JF
.027	±5%	7.0	3.0	6.0	5.0	P4586-ND	.72	4.80	38.00	36.00/M	ECO-B1H272JF
.033	±5%	7.0	3.0	6.0	5.0	P4587-ND	.72	4.80	38.00	36.00/M	ECO-B1H332JF
.039	±5%	7.0	3.0	6.0	5.0	P4588-ND	.72	4.80	38.00	36.00/M	ECO-B1H392JF
.047	±5%	7.0	3.0	6.0	5.0	P4589-ND	.72	4.80	38.00	36.00/M	ECO-B1H472JF
.056	±5%	7.0	3.0	6.0	5.0	P4590-ND	.72	4.80	38.00	36.00/M	ECO-B1H562JF
.068	±5%	7.0	3.0	6.0	5.0	P4591-ND	.72	4.80	38.00	36.00/M	ECO-B1H682JF
.082	±5%	7.0	3.0	6.0	5.0	P4592-ND	.72	4.80	38.00	36.00/M	ECO-B1H822JF
.1	±5%	7.5	3.0	6.0	5.0	P4584-ND	.78	5.20	41.00	39.00/M	ECO-B1H153JF
.015	±5%	7.5	3.0	6.0	5.0	P4585-ND	.81	5.40	42.00	41.00/M	ECO-B1H183JF
.022	±5%	7.5	3.0	6.0	5.0	P4586-ND	.81	5.40	42.00	41.00/M	ECO-B1H223JF
.027	±5%	7.5	3.5	6.5	5.0	P4587-ND	.84	5.60	44.00	42.00/M	ECO-B1H273JF
.033	±5%	7.5	3.5	6.5	5.0	P4588-ND	.87	5.80	45.00	44.00/M	ECO-B1H333JF
.039	±5%	7.5	4.0	7.0	5.0	P4589-ND	.90	6.00	47.00	45.00/M	ECO-B1H393JF
.047	±5%	7.5	4.0	7.5	5.0	P4590-ND	.93	6.20	48.00	47.00/M	ECO-B1H473JF
.056	±5%	8.0	4.3	7.5	5.0	P4591-ND	.99	6.60	52.00	50.00/M	ECO-B1H563JF
.068	±5%	8.0	4.3	8.5	5.0	P4592-ND	1.14	7.60	59.00	57.00/M	ECO-B1H683JF
.082	±5%	8.0	4.5	9.0	5.0	P4593-ND	1.20	8.00	63.00	60.00/M	ECO-B1H823JF
.1	±5%	8.0	5.0	10.0	5.0	P4594-ND	1.29	8.60	67.00	65.00/M	ECO-B1H104JF
.12	±5%	11.0	5.0	11.6	7.5	P4594-ND	3.15	21.00	164.00	159.00/M	ECO-B1H124JF
.15	±5%	11.0	5.0	12.0	7.5	P4595-ND	3.39	22.60	177.00	171.00/M	ECO-B1H154JF
.18	±5%	11.0	6.0	12.4	7.5	P4596-ND	3.54	23.60	184.00	178.00/M	ECO-B1H184JF
.22	±5%	11.0	6.0	13.0	7.5	P4597-ND	3.96	26.40	206.00	199.00/M	ECO-B1H224JF
.27	±5%	13.0	6.0	14.4	10.0	P4598-ND	4.95	33.00	258.00	249.00/M	ECO-B1H274JF
.33	±5%	13.0	6.0	15.0	10.0	P4599-ND	5.34	35.60	278.00	269.00/M	ECO-B1H334JF
.39	±5%	13.0	6.5	15.4	10.0	P4734-ND	5.76	38.40	300.00	290.00/M	ECO-B1H394JF
.47	±5%	13.0	7.5	16.2	10.0	P4735-ND	6.33	42.20	330.00	319.00/M	ECO-B1H474JF

Cap. µF	Tolerance	Dimensions (mm)				Digi-Key Part No.	Pricing				Panasonic Part No.
		L	T	H	F		10	100	1,000	5,000	
<b>100WV (Bulk Pkg.)</b>											
.18	±5%	13.0	7.5	14.4	10.0	P4659-ND	3.56	23.70	185.00	179.00/M	ECO-B1184JF
.22	±5%	13.0	8.0	15.2	10.0	P4660-ND	4.06	27.08	212.00	205.00/M	ECO-B1224JF
.27	±5%	13.0	8.5	17.2	10.0	P4661-ND	4.57	30.46	238.00	230.00/M	ECO-B1274JF
.33	±5%	13.0	9.0	18.0	10.0	P4662-ND	5.08	33.84	264.00	256.00/M	ECO-B1334JF
.39	±5%	13.0	10.5	19.0	10.0	P4663-ND	6.09	40.60	317.00	307.00/M	ECO-B1394JF
.47	±5%	13.0	11.5	19.2	10.0	P4664-ND	7.61	50.74	396.00	383.00/M	ECO-B1474JF
<b>200WV (Bulk Pkg.)</b>											
.001	±5%	8.5	4.0	7.0	5.0	P4537A-ND	1.40	9.30	73.00	70.00/M	ECO-B2102JF
.0012	±5%	8.5	4.0	7.5	5.0	P4538A-ND	1.40	9.30	73.00	70.00/M	ECO-B2122JF
.0015	±5%	8.5	4.0	7.5	5.0	P4539A-ND	1.40	9.30	73.00	70.00/M	ECO-B2152JF
.0018	±5%	8.5	4.5	7.5	5.0	P4540A-ND	1.40	9.30	73.00	70.00/M	ECO-B2182JF
.0022	±5%	8.5	4.5	7.5	5.0	P4541A-ND	1.40	9.30	73.00	70.00/M	ECO-B2222JF
.0027	±5%	8.5	4.5	8.0	5.0	P4542A-ND	1.40	9.30	73.00	70.00/M	ECO-B2272JF
.0033	±5%	11.0	4.5	7.5	7.5	P4543A-ND	1.40	9.30	73.00	70.00/M	ECO-B2332JF
.0039	±5%	11.0	4.5	7.5	7.5	P4544A-ND	1.40	9.30	73.00	70.00/M	ECO-B2392JF
.0047	±5%	11.0	4.5	8.5	7.5	P4545A-ND	1.40	9.30	73.00	70.00/M	ECO-B2472JF
.0056	±5%	11.0	4.5	8.5	7.5	P4546A-ND	1.40	9.30	73.00	70.00/M	ECO-B2562JF
.0068	±5%	11.0	4.5	9.0	7.5	P4547A-ND	1.40	9.30	73.00	70.00/M	ECO-B2682JF
.0082	±5%	11.0	4.5	9.0	7.5	P4548A-ND	1.40	9.30	73.00	70.00/M	ECO-B2822JF
.01	±5%	11.0	4.5	10.0	7.5	P4549A-ND	1.40	9.30	73.00	70.00/M	ECO-B2103JF
.012	±5%	11.0	5.0	10.5	7.5	P4550A-ND	1.40	9.30	73.00	70.00/M	ECO-B2123JF
.015	±5%	11.0	5.0	10.5	7.5	P4551A-ND	1.44	9.62	75.00	73.00/M	ECO-B2153JF
.018	±5%	11.0	5.5	12.2	7.5	P4552A-ND	1.55	10.30	80.00	78.00/M	ECO-B2183JF
.022	±5%	11.0	6.0	12.6	7.5	P4553A-ND	1.66	11.08	87.00	84.00/M	ECO-B2223JF
.027	±5%	11.0	6.5	13.2	7.5	P4554A-ND	1.73	11.56	90.00	87.00/M	ECO-B2273JF
.033	±5%	11.0	7.0	13.6	7.5	P4555A-ND	1.77	11.78	92.00	89.00/M	ECO-B2333JF
.039	±5%	13.5	5.0	14.4	10.0	P4556A-ND	1.77	11.78	92.00	89.00/M	ECO-B2393JF
.056	±5%	13.5	6.0	15.4	10.0	P4558A-ND	1.78	11.88	93.00	90.00/M	ECO-B2563JF
.068	±5%	16.0	5.5	15.0	12.5	P4559A-ND	1.82	12.16	95.00	92.00/M	ECO-B2683JF
.082	±5%	16.0	6.0	15.4	12.5	P4560A-ND	1.86	12.42	97.00	94.00/M	ECO-B2823JF
.1	±5%	16.0	7.0	16.0	12.5	P4561A-ND	1.91	12.70	99.00	96.00/M	ECO-B2104JF
.12	±5%	19.0	6.5	17.6	15.0	P4562A-ND	3.05	20.34	159.00	154.00/M	ECO-B2124JF
.15	±5%	19.0	7.5	18.4	15.0	P4563A-ND	3.66	24.38	190.00	184.00/M	ECO-B2154JF
.18	±5%	19.0	8.0	19.0	15.0	P4564A-ND	4.27	28.44	222.00	215.00/M	ECO-B2184JF
.22	±5%	19.0	9.0	20.0	15.0	P4565A-ND	4.88	32.50	254.00	245.00/M	ECO-B2224JF
.27	±5%	24.0	8.0	19.4	20.0	P4566A-ND	5.48	36.56	286.00	276.00/M	ECO-B2274JF
.33	±5%	24.0	9.0	20.4	20.0	P4567A-ND	6.09	40.62	317.00	307.00/M	ECO-B2334JF
.39	±5%	24.0	10.0	21.2	20.0	P4568A-ND	7.31	48.72	381.00	368.00/M	ECO-B2394JF
.47	±5%	24.0	11.5	22.2	20.0	P4569A-ND	9.14	60.92	476.00	460.00/M	ECO-B2474JF

Cap. µF	Tolerance	Dimensions (mm)				Digi-Key Part No.	Tape and Box		Panasonic Part No.
		L	T	H	F		Qty.	Pricing	
<b>50WV (Ammo Box Pkg.)</b>									
.0001	±10%	7.0	3.0	6.0	5.0	P4570TB-ND	2,000	38.00/M	ECO-B1H101KF3
.00012	±10%	7.0	3.0	6.0	5.0	P4571TB-ND	2,000	38.00/M	ECO-B1H121KF3
.00015	±10%	7.0	3.0	6.0	5.0	P4572TB-ND	2,000	38.00/M	ECO-B1H151KF3
.00018									