G-BA Series *105°C, 2000 hours*

- ***Long life for industrial applications***
- ***2000 hour life @ 105°C with ripple current applied***
- ***Stud mount available***

Rated Working Voltage:	10 ~ 450 VDC
Operating Temperature:	-40 ~ +105°C
Nominal Capacitance:	220 ~ 1200000µF
Capacitance Tolerance:	± 20%
Max. Leakage Current:	3√CV (µA) after 5 minutes; *C = Cap. in µF, V = WV*
Endurance:	2000 hours at +105°C*

Ripple Current Multipliers:

Frequency (Hz):	50	60	100~120	300~360	1k	10k~
16~100WV:	0.9	0.95	1.0	1.05	1.08	1.15
160~500WV:	0.75	0.8	1.0	1.2	1.25	1.4

Ambient Temperature Factor**					
Ambient Temperature:	105°C	85°C	70°C	60°C	≤45°C
Ripple Current Factor:	1.0	1.75	2.0	2.2	2.35

*with maximum rated ripple current applied. See page 6 for additional details. **Use of temperature ripple current multipliers may limit life to the hours specified for the maximum operating temperature.

Part Number System

E E G	B	□□	□□□	□□	□
Common Code/ Terminal Style	**Series Code**	**Voltage Code**	**Capacitance Code**	**Case Size Code**	**Terminal Code** "E" code (high post, 10-32 NF-2B thread, no stud) is shown. Please see page 46 for other terminal / mounting options

NOTE: Series code in part number formerly "BA", shortened to "B"

G-BA Typical Ratings

Cap. (µF)	Nominal Size D x L (inches)	Max 105°C R.C. (A_{rms}) 120Hz	Max 105°C R.C. (A_{rms}) 10kHz~	20°C ESR (Ω, max.) 120Hz	20°C ESR (Ω, max.) 20kHz	Panasonic Part Number
10 VDC Working, 13 VDC Surge						
33000	1.375 x 1.625	4.67	5.37	0.0402	0.0362	**EEGB1A333CAE**
39000	1.375 x 2.125	5.31	6.11	0.0345	0.0310	**EEGB1A393CCE**
56000	1.375 x 2.625	6.62	7.61	0.0249	0.0224	**EEGB1A563CEE**
75000	1.375 x 3.125	7.86	9.04	0.0194	0.0174	**EEGB1A753CGE**
82000	1.375 x 3.625	8.52	9.80	0.0180	0.0162	**EEGB1A823CHE**
	2.000 x 1.875	9.10	10.47	0.0180	0.0162	**EEGB1A823FBE**
100000	1.375 x 4.125	9.56	10.99	0.0153	0.0138	**EEGB1A104CKE**
	2.000 x 2.125	10.03	11.53	0.0153	0.0138	**EEGB1A104FCE**
120000	1.375 x 4.625	10.64	12.24	0.0132	0.0119	**EEGB1A124CLE**
	2.000 x 2.625	11.32	13.02	0.0132	0.0119	**EEGB1A124FEE**
130000	1.375 x 5.125	11.32	13.02	0.0125	0.0112	**EEGB1A134CNE**
150000	1.375 x 5.625	12.28	14.12	0.0112	0.0101	**EEGB1A154CPE**
	2.000 x 3.125	12.77	14.69	0.0112	0.0101	**EEGB1A154FGE**
180000	2.000 x 3.625	14.11	16.23	0.0098	0.0089	**EEGB1A184FHE**
220000	2.000 x 4.125	15.53	17.86	0.0086	0.0077	**EEGB1A224FKE**
270000	2.000 x 5.125	17.54	20.17	0.0076	0.0068	**EEGB1A274FNE**
	2.500 x 3.125	17.74	20.40	0.0076	0.0068	**EEGB1A274GGE**
330000	2.000 x 5.625	19.00	21.85	0.0067	0.0061	**EEGB1A334FPE**
	2.500 x 3.625	19.36	22.26	0.0067	0.0061	**EEGB1A334GHE**
390000	2.500 x 4.125	20.76	23.87	0.0062	0.0056	**EEGB1A394GKE**
	3.000 x 3.125	21.95	25.24	0.0062	0.0056	**EEGB1A394HGE**
470000	2.500 x 4.625	22.29	25.63	0.0056	0.0051	**EEGB1A474GLE**
	3.000 x 3.625	23.58	27.12	0.0056	0.0051	**EEGB1A474HHE**
510000	2.500 x 5.125	23.27	26.76	0.0054	0.0049	**EEGB1A514GNE**
560000	2.500 x 5.625	24.29	27.93	0.0052	0.0047	**EEGB1A564GPE**
	3.000 x 4.125	25.08	28.84	0.0052	0.0047	**EEGB1A564HKE**
680000	3.000 x 4.625	26.68	30.68	0.0048	0.0044	**EEGB1A684HLE**
750000	3.000 x 5.125	27.76	31.92	0.0047	0.0042	**EEGB1A754HNE**
820000	3.000 x 5.625	28.79	33.11	0.0045	0.0041	**EEGB1A824HPE**
1200000	3.000 x 8.625	34.30	39.45	0.0041	0.0036	**EEGB1A125HWE**
16 VDC Working, 20 VDC Surge						
22000	1.375 x 1.625	4.47	5.14	0.0435	0.0392	**EEGB1C223CAE**
33000	1.375 x 2.125	5.65	6.50	0.0301	0.0271	**EEGB1C333CCE**
47000	1.375 x 2.625	6.99	8.04	0.0221	0.0199	**EEGB1C473CEE**
56000	1.375 x 3.125	7.89	9.07	0.0191	0.0172	**EEGB1C563CGE**
	2.000 x 1.875	8.81	10.13	0.0191	0.0172	**EEGB1C563FBE**
68000	1.375 x 3.625	8.91	10.25	0.0163	0.0146	**EEGB1C683CHE**
75000	2.000 x 2.125	10.07	11.58	0.0151	0.0136	**EEGB1C753FCE**
82000	1.375 x 4.125	9.93	11.42	0.0141	0.0126	**EEGB1C823CKE**
91000	1.375 x 4.625	10.71	12.32	0.0130	0.0117	**EEGB1C913CLE**

Cap. (µF)	Nominal Size D x L (inches)	Max 105°C R.C. (A_{rms}) 120Hz	Max 105°C R.C. (A_{rms}) 10kHz~	20°C ESR (Ω, max.) 120Hz	20°C ESR (Ω, max.) 20kHz	Panasonic Part Number
16 VDC Working, 20 VDC Surge (continued)						
100000	1.375 x 5.125	11.44	13.16	0.0121	0.0109	**EEGB1C104CNE**
	2.000 x 2.625	11.78	13.55	0.0121	0.0109	**EEGB1C104FEE**
120000	1.375 x 5.625	12.55	14.43	0.0106	0.0096	**EEGB1C124CPE**
	2.000 x 3.125	13.06	15.02	0.0106	0.0096	**EEGB1C124FGE**
150000	2.000 x 3.625	14.56	16.74	0.0092	0.0082	**EEGB1C154FHE**
180000	2.000 x 4.125	15.87	18.25	0.0082	0.0073	**EEGB1C184FKE**
	2.500 x 3.125	17.09	19.65	0.0082	0.0073	**EEGB1C184GGE**
220000	2.000 x 5.125	17.83	20.50	0.0073	0.0065	**EEGB1C224FNE**
	2.500 x 3.625	18.67	21.47	0.0073	0.0065	**EEGB1C224GHE**
270000	2.000 x 5.625	19.26	22.15	0.0065	0.0059	**EEGB1C274FPE**
	2.500 x 4.125	20.21	23.24	0.0065	0.0059	**EEGB1C274GKE**
330000	2.500 x 4.625	21.76	25.02	0.0059	0.0053	**EEGB1C334GLE**
	3.000 x 3.125	22.32	25.67	0.0059	0.0053	**EEGB1C334HGE**
390000	2.500 x 5.125	23.08	26.54	0.0055	0.0050	**EEGB1C394GNE**
	3.000 x 3.625	23.79	27.36	0.0055	0.0050	**EEGB1C394HHE**
470000	2.500 x 5.625	24.46	28.13	0.0051	0.0046	**EEGB1C474GPE**
	3.000 x 4.125	25.25	29.04	0.0051	0.0046	**EEGB1C474HKE**
510000	3.000 x 4.625	26.29	30.23	0.0050	0.0045	**EEGB1C514HLE**
560000	3.000 x 5.125	27.32	31.42	0.0048	0.0043	**EEGB1C564HNE**
620000	3.000 x 5.625	28.36	32.61	0.0047	0.0042	**EEGB1C624HPE**
1000000	3.000 x 8.625	34.01	39.11	0.0041	0.0037	**EEGB1C105HWE**
25 VDC Working, 32 VDC Surge						
18000	1.375 x 1.625	4.52	5.20	0.0368	0.0313	**EEGB1E183CAE**
22000	1.375 x 2.125	5.21	5.99	0.0309	0.0263	**EEGB1E223CCE**
33000	1.375 x 2.625	6.62	7.61	0.0220	0.0187	**EEGB1E333CEE**
39000	1.375 x 3.125	7.46	8.58	0.0192	0.0163	**EEGB1E393CGE**
47000	1.375 x 3.625	8.41	9.67	0.0167	0.0142	**EEGB1E473CHE**
	2.000 x 1.875	8.96	10.30	0.0167	0.0142	**EEGB1E473FBE**
56000	1.375 x 4.125	9.35	10.75	0.0146	0.0124	**EEGB1E563CKE**
	2.000 x 2.125	9.78	11.25	0.0146	0.0124	**EEGB1E563FCE**
68000	1.375 x 4.625	10.43	11.99	0.0128	0.0109	**EEGB1E683CLE**
	2.000 x 2.625	11.08	12.74	0.0128	0.0109	**EEGB1E683FEE**
75000	1.375 x 5.125	11.17	12.85	0.0120	0.0102	**EEGB1E753CNE**
82000	1.375 x 5.625	11.88	13.66	0.0113	0.0096	**EEGB1E823CPE**
100000	2.000 x 3.125	13.18	15.16	0.0100	0.0085	**EEGB1E104FGE**
120000	2.000 x 3.625	14.49	16.66	0.0090	0.0077	**EEGB1E124FHE**
	2.500 x 3.125	16.11	18.53	0.0090	0.0077	**EEGB1E124GGE**
130000	2.000 x 4.125	15.33	17.63	0.0087	0.0074	**EEGB1E134FKE**
150000	2.000 x 5.125	16.99	19.54	0.0081	0.0068	**EEGB1E154FNE**
	2.500 x 3.625	17.76	20.42	0.0081	0.0068	**EEGB1E154GHE**

Design and specifications are subject to change without notice. Ask factory for technical specifications before purchase and/or use.
Whenever a doubt about safety arises from this product, please contact us immediately for technical consultation.

G-BA Typical Ratings (continued)

Cap. (µF)	Nominal Size D x L (inches)	Max 105°C R.C. (A_{rms}) 120Hz	Max 105°C R.C. (A_{rms}) 10kHz~	20°C ESR (Ω, max.) 120Hz	20°C ESR (Ω, max.) 20kHz	Panasonic Part Number
25 VDC Working, 32 VDC Surge (continued)						
180000	2.000 x 5.625	18.32	21.07	0.0074	0.0063	EEGB1E184FPE
	2.500 x 4.125	19.19	22.07	0.0074	0.0063	EEGB1E184GKE
220000	2.500 x 4.625	20.74	23.85	0.0068	0.0058	EEGB1E224GLE
	3.000 x 3.125	21.25	24.44	0.0068	0.0058	EEGB1E224HGE
270000	2.500 x 5.125	22.24	25.58	0.0063	0.0054	EEGB1E274GNE
	3.000 x 3.625	22.89	26.32	0.0063	0.0054	EEGB1E274HHE
330000	2.500 x 5.625	23.68	27.23	0.0059	0.0050	EEGB1E334GPE
	3.000 x 4.125	24.42	28.08	0.0059	0.0050	EEGB1E334HKE
390000	3.000 x 4.625	25.81	29.68	0.0056	0.0048	EEGB1E394HLE
430000	3.000 x 5.125	26.84	30.87	0.0055	0.0047	EEGB1E434HNE
470000	3.000 x 5.625	27.82	31.99	0.0054	0.0046	EEGB1E474HPE
750000	3.000 x 8.625	33.26	38.25	0.0049	0.0042	EEGB1E754HWE
35 VDC Working, 44 VDC Surge						
12000	1.375 x 1.625	4.36	5.01	0.0491	0.0418	EEGB1V123CAE
18000	1.375 x 2.125	5.51	6.34	0.0337	0.0287	EEGB1V183CCE
22000	1.375 x 2.625	6.41	7.37	0.0281	0.0239	EEGB1V223CEE
27000	1.375 x 3.125	7.33	8.43	0.0235	0.0200	EEGB1V273CGE
33000	1.375 x 3.625	8.32	9.57	0.0197	0.0168	EEGB1V333CHE
	2.000 x 1.875	8.76	10.07	0.0197	0.0168	EEGB1V333FBE
39000	1.375 x 4.125	9.23	10.61	0.0172	0.0146	EEGB1V393CKE
	2.000 x 2.125	9.54	10.97	0.0172	0.0146	EEGB1V393FCE
47000	1.375 x 4.625	10.29	11.83	0.0147	0.0125	EEGB1V473CLE
	2.000 x 2.625	10.79	12.41	0.0147	0.0125	EEGB1V473FEE
51000	1.375 x 5.125	10.95	12.59	0.0138	0.0117	EEGB1V513CNE
56000	1.375 x 5.625	11.68	13.43	0.0129	0.0109	EEGB1V563CPE
68000	2.000 x 3.125	12.80	14.72	0.0111	0.0094	EEGB1V683FGE
82000	2.000 x 3.625	14.12	16.24	0.0097	0.0083	EEGB1V823FHE
100000	2.000 x 4.125	15.47	17.79	0.0085	0.0072	EEGB1V104FKE
	2.500 x 3.125	16.64	19.14	0.0085	0.0072	EEGB1V104GGE
120000	2.000 x 5.125	17.31	19.91	0.0076	0.0064	EEGB1V124FNE
	2.500 x 3.625	18.10	20.82	0.0076	0.0064	EEGB1V124GHE
150000	2.000 x 5.625	18.80	21.62	0.0067	0.0057	EEGB1V154FPE
	2.500 x 4.125	19.70	22.66	0.0067	0.0057	EEGB1V154GKE
	3.000 x 3.125	20.80	23.92	0.0067	0.0057	EEGB1V154HGE
180000	2.500 x 4.625	21.15	24.32	0.0060	0.0051	EEGB1V184GLE
	3.000 x 3.625	22.35	25.70	0.0060	0.0051	EEGB1V184HHE
220000	2.500 x 5.125	22.60	25.99	0.0055	0.0047	EEGB1V224GNE
	3.000 x 4.125	23.89	27.47	0.0055	0.0047	EEGB1V224HKE
270000	2.500 x 5.625	24.03	27.63	0.0050	0.0043	EEGB1V274GPE
	3.000 x 4.625	25.46	29.28	0.0050	0.0043	EEGB1V274HLE
300000	3.000 x 5.125	26.53	30.51	0.0048	0.0041	EEGB1V304HNE
330000	3.000 x 5.625	27.53	31.66	0.0046	0.0039	EEGB1V334HPE
560000	3.000 x 8.625	33.28	38.27	0.0039	0.0034	EEGB1V564HWE
50 VDC Working, 63 VDC Surge						
8200	1.375 x 1.625	4.11	4.73	0.0539	0.0458	EEGB1H822CAE
12000	1.375 x 2.125	5.11	5.88	0.0368	0.0313	EEGB1H123CCE
15000	1.375 x 2.625	5.99	6.89	0.0295	0.0251	EEGB1H153CEE
18000	1.375 x 3.125	6.80	7.82	0.0246	0.0209	EEGB1H183CGE
22000	1.375 x 3.625	7.72	8.88	0.0201	0.0171	EEGB1H223CHE
	2.000 x 1.875	8.27	9.51	0.0201	0.0171	EEGB1H223FBE
27000	1.375 x 4.125	8.69	9.99	0.0164	0.0139	EEGB1H273CKE
	2.000 x 2.125	9.13	10.50	0.0164	0.0139	EEGB1H273FCE
33000	1.375 x 4.625	9.73	11.19	0.0134	0.0114	EEGB1H333CLE
	2.000 x 2.625	10.38	11.94	0.0134	0.0114	EEGB1H333FEE
36000	1.375 x 5.125	10.38	11.94	0.0125	0.0106	EEGB1H363CNE
39000	1.375 x 5.625	11.01	12.66	0.0118	0.0100	EEGB1H393CPE
	2.000 x 3.125	11.49	13.21	0.0118	0.0100	EEGB1H393FGE
47000	2.000 x 3.625	12.72	14.63	0.0103	0.0087	EEGB1H473FHE
56000	2.000 x 4.125	13.91	16.00	0.0091	0.0077	EEGB1H563FKE
75000	2.500 x 3.125	16.26	18.70	0.0076	0.0064	EEGB1H753GGE
82000	2.000 x 5.125	16.51	18.99	0.0072	0.0061	EEGB1H823FNE
	2.500 x 3.625	17.23	19.81	0.0072	0.0061	EEGB1H823GHE
91000	2.000 x 5.625	17.43	20.04	0.0068	0.0057	EEGB1H913FPE
100000	2.500 x 4.125	18.65	21.45	0.0064	0.0055	EEGB1H104GKE
	3.000 x 3.125	19.66	22.61	0.0064	0.0055	EEGB1H104HGE
120000	2.500 x 4.625	20.03	23.03	0.0058	0.0050	EEGB1H124GLE
	3.000 x 3.625	21.13	24.30	0.0058	0.0050	EEGB1H124HHE
130000	2.500 x 5.125	20.92	24.06	0.0056	0.0048	EEGB1H134GNE
150000	2.500 x 5.625	22.06	25.37	0.0053	0.0045	EEGB1H154GPE
	3.000 x 4.125	22.71	26.12	0.0053	0.0045	EEGB1H154HKE
160000	3.000 x 4.625	23.63	27.17	0.0051	0.0044	EEGB1H164HLE
180000	3.000 x 5.125	24.71	28.42	0.0049	0.0042	EEGB1H184HNE
200000	3.000 x 5.625	25.72	29.58	0.0047	0.0040	EEGB1H204HPE
50 VDC Working, 63 VDC Surge (continued)						
330000	3.000 x 8.625	31.19	35.87	0.0040	0.0034	EEGB1H334HWE
63 VDC Working, 79 VDC Surge						
5600	1.375 x 1.625	3.80	4.37	0.0658	0.0559	EEGB1J562CAE
8200	1.375 x 2.125	4.76	5.47	0.0449	0.0382	EEGB1J822CCE
10000	1.375 x 2.625	5.54	6.37	0.0368	0.0313	EEGB1J103CEE
12000	1.375 x 3.125	6.29	7.23	0.0307	0.0261	EEGB1J123CGE
15000	1.375 x 3.625	7.22	8.30	0.0246	0.0209	EEGB1J153CHE
	2.000 x 1.875	7.69	8.84	0.0295	0.0251	EEGB1J153FBE
18000	1.375 x 4.125	8.08	9.29	0.0205	0.0174	EEGB1J183CKE
	2.000 x 2.125	8.44	9.71	0.0246	0.0209	EEGB1J183FCE
22000	1.375 x 4.625	9.07	10.43	0.0167	0.0142	EEGB1J223CLE
	2.000 x 2.625	9.62	11.06	0.0201	0.0171	EEGB1J223FEE
27000	1.375 x 5.125	10.12	11.64	0.0164	0.0139	EEGB1J273CNE
30000	1.375 x 5.625	10.83	12.45	0.0147	0.0125	EEGB1J303CPE
33000	2.000 x 3.125	11.61	13.35	0.0134	0.0114	EEGB1J333FGE
39000	2.000 x 3.625	12.75	14.66	0.0117	0.0099	EEGB1J393FHE
47000	2.000 x 4.125	13.96	16.05	0.0101	0.0086	EEGB1J473FKE
	2.500 x 3.125	14.99	17.24	0.0101	0.0086	EEGB1J473GGE
56000	2.000 x 5.125	15.63	17.97	0.0089	0.0075	EEGB1J563FNE
	2.500 x 3.625	16.32	18.77	0.0089	0.0075	EEGB1J563GHE
68000	2.000 x 5.625	16.92	19.46	0.0077	0.0066	EEGB1J683FPE
	2.500 x 4.125	17.70	20.36	0.0077	0.0066	EEGB1J683GKE
82000	2.500 x 4.625	19.09	21.95	0.0068	0.0058	EEGB1J823GLE
	3.000 x 3.125	19.53	22.46	0.0068	0.0058	EEGB1J823HGE
91000	3.000 x 3.625	20.62	23.71	0.0064	0.0054	EEGB1J913HHE
100000	2.500 x 5.125	20.48	23.55	0.0060	0.0051	EEGB1J104GNE
	3.000 x 4.125	21.61	24.85	0.0060	0.0051	EEGB1J104HKE
110000	2.500 x 5.625	21.40	24.61	0.0057	0.0048	EEGB1J114GPE
120000	3.000 x 4.625	23.02	26.47	0.0054	0.0046	EEGB1J124HLE
130000	3.000 x 5.125	23.93	27.52	0.0052	0.0044	EEGB1J134HNE
150000	3.000 x 5.625	25.09	28.85	0.0048	0.0041	EEGB1J154HPE
220000	3.000 x 8.625	30.06	34.57	0.0040	0.0034	EEGB1J224HWE
80 VDC Working, 100 VDC Surge						
3300	1.375 x 1.625	3.37	3.88	0.1116	0.0893	EEGB1K332CAE
3900	1.375 x 2.125	3.84	4.42	0.0945	0.0756	EEGB1K392CCE
4700	1.375 x 2.625	4.46	5.13	0.0784	0.0627	EEGB1K472CEE
6800	1.375 x 3.125	5.54	6.37	0.0542	0.0433	EEGB1K682CGE
8200	1.375 x 3.625	6.30	7.25	0.0449	0.0359	EEGB1K822CHE
	2.000 x 1.875	6.92	7.96	0.0449	0.0359	EEGB1K822FBE
10000	1.375 x 4.125	7.13	8.20	0.0368	0.0295	EEGB1K103CKE
12000	1.375 x 4.625	8.00	9.20	0.0307	0.0246	EEGB1K123CLE
	2.000 x 2.125	8.30	9.55	0.0307	0.0246	EEGB1K123FCE
15000	1.375 x 5.125	9.05	10.41	0.0246	0.0196	EEGB1K153CNE
	2.000 x 2.625	9.58	11.02	0.0246	0.0196	EEGB1K153FEE
18000	1.375 x 5.625	10.02	11.52	0.0205	0.0164	EEGB1K183CPE
	2.000 x 3.125	10.73	12.34	0.0205	0.0164	EEGB1K183FGE
22000	2.000 x 3.625	12.02	13.82	0.0167	0.0134	EEGB1K223FHE
27000	2.000 x 4.125	13.36	15.36	0.0136	0.0109	EEGB1K273FKE
	2.500 x 3.125	13.69	15.74	0.0191	0.0153	EEGB1K273GGE
33000	2.000 x 5.125	15.20	17.48	0.0121	0.0096	EEGB1K333FNE
	2.500 x 3.625	15.14	17.41	0.0156	0.0125	EEGB1K333GHE
39000	2.000 x 5.625	16.46	18.93	0.0110	0.0088	EEGB1K393FPE
	2.500 x 4.125	16.43	18.89	0.0132	0.0106	EEGB1K393GKE
43000	2.500 x 4.625	17.43	20.04	0.0120	0.0096	EEGB1K433GLE
47000	2.500 x 5.125	18.36	21.11	0.0116	0.0093	EEGB1K473GNE
	3.000 x 3.125	18.18	20.91	0.0125	0.0100	EEGB1K473HGE
56000	2.500 x 5.625	19.73	22.69	0.0097	0.0078	EEGB1K563GPE
	3.000 x 3.625	19.65	22.60	0.0105	0.0084	EEGB1K563HHE
68000	3.000 x 4.125	21.18	24.36	0.0087	0.0069	EEGB1K683HKE
75000	3.000 x 4.625	22.26	25.60	0.0079	0.0063	EEGB1K753HLE
82000	3.000 x 5.125	23.25	26.74	0.0072	0.0058	EEGB1K823HNE
91000	3.000 x 5.625	24.30	27.95	0.0073	0.0058	EEGB1K913HPE
150000	3.000 x 8.625	30.30	34.85	0.0041	0.0033	EEGB1K154HWE
100 VDC Working, 125 VDC Surge						
2200	1.375 x 1.625	2.48	2.85	0.1340	0.1072	EEGB2A222CAE
3300	1.375 x 2.125	3.18	3.66	0.0893	0.0714	EEGB2A332CCE
4700	1.375 x 2.625	4.00	4.60	0.0627	0.0502	EEGB2A472CEE
5600	1.375 x 3.125	4.56	5.24	0.0526	0.0421	EEGB2A562CGE
	2.000 x 1.875	5.24	6.03	0.0526	0.0421	EEGB2A562FBE
6800	1.375 x 3.625	5.21	5.99	0.0433	0.0347	EEGB2A682CHE
7500	2.000 x 2.125	6.11	7.03	0.0393	0.0314	EEGB2A752FCE
8200	1.375 x 4.125	5.89	6.77	0.0359	0.0288	EEGB2A822CKE
9100	1.375 x 4.625	6.41	7.37	0.0324	0.0259	EEGB2A912CLE

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G-BA Typical Ratings (continued)

Cap. (µF)	Nominal Size D x L (inches)	Max 105°C R.C. (A_{rms}) 120Hz	Max 105°C R.C. (A_{rms}) 10kHz~	20°C ESR (Ω, max.) 120Hz	20°C ESR (Ω, max.) 20kHz	Panasonic Part Number
100 VDC Working, 125 VDC Surge (continued)						
10000	1.375 x 5.125	6.91	7.95	0.0295	0.0236	EEGB2A103CNE
	2.000 x 2.625	7.32	8.42	0.0295	0.0236	EEGB2A103FEE
12000	1.375 x 5.625	7.71	8.87	0.0246	0.0196	EEGB2A123CPE
	2.000 x 3.125	8.26	9.50	0.0246	0.0196	EEGB2A123FGE
15000	2.000 x 3.625	9.43	10.84	0.0196	0.0157	EEGB2A153FHE
18000	2.000 x 4.125	10.50	12.08	0.0164	0.0131	EEGB2A183FKE
	2.500 x 3.125	11.61	13.35	0.0205	0.0164	EEGB2A183GGE
22000	2.000 x 5.125	12.09	13.90	0.0134	0.0107	EEGB2A223FNE
	2.500 x 3.625	13.00	14.95	0.0167	0.0134	EEGB2A223GHE
27000	2.000 x 5.625	13.41	15.42	0.0120	0.0096	EEGB2A273FPE
	2.500 x 4.125	14.46	16.63	0.0136	0.0109	EEGB2A273GKE
33000	2.500 x 4.625	16.00	18.40	0.0112	0.0089	EEGB2A333GLE
	3.000 x 3.125	16.84	19.37	0.0156	0.0125	EEGB2A333HGE
39000	2.500 x 5.125	17.38	19.99	0.0094	0.0076	EEGB2A393GNE
	3.000 x 3.625	18.37	21.13	0.0132	0.0106	EEGB2A393HHE
47000	2.500 x 5.625	18.89	21.72	0.0078	0.0063	EEGB2A473GPE
	3.000 x 4.125	20.01	23.01	0.0110	0.0088	EEGB2A473HKE
52000	3.000 x 4.625	21.20	24.38	0.0099	0.0079	EEGB2A523HLE
56000	3.000 x 5.125	22.18	25.51	0.0092	0.0074	EEGB2A563HNE
68000	3.000 x 5.625	23.93	27.52	0.0076	0.0061	EEGB2A683HPE
100000	3.000 x 8.625	29.74	34.20	0.0041	0.0033	EEGB2A104HWE
200 VDC Working, 250 VDC Surge						
820	1.375 x 1.625	1.55	2.17	0.180	0.135	EEGB2D821CAE
1000	1.375 x 2.125	1.81	2.53	0.147	0.111	EEGB2D102CCE
1500	1.375 x 2.625	2.36	3.30	0.098	0.074	EEGB2D152CEE
1800	1.375 x 3.125	2.71	3.79	0.082	0.061	EEGB2D182CGE
2200	1.375 x 3.625	3.13	4.38	0.067	0.050	EEGB2D222CHE
	2.000 x 1.875	3.33	4.66	0.067	0.050	EEGB2D222FBE
2700	1.375 x 4.125	3.61	5.05	0.055	0.041	EEGB2D272CKE
	2.000 x 2.125	3.76	5.26	0.055	0.041	EEGB2D272FCE
3000	1.375 x 4.625	3.95	5.53	0.049	0.037	EEGB2D302CLE
3300	1.375 x 5.125	4.28	5.99	0.045	0.033	EEGB2D332CNE
	2.000 x 2.625	4.38	6.13	0.045	0.033	EEGB2D332FEE
3900	1.375 x 5.625	4.80	6.72	0.038	0.028	EEGB2D392CPE
4700	2.000 x 3.125	5.45	7.63	0.031	0.024	EEGB2D472FGE
5100	2.000 x 3.625	5.90	8.26	0.029	0.022	EEGB2D512FHE
5600	2.000 x 4.125	6.39	8.95	0.026	0.020	EEGB2D562FKE
6800	2.000 x 5.125	7.49	10.49	0.022	0.016	EEGB2D682FNE
	2.500 x 3.125	7.79	10.91	0.022	0.016	EEGB2D682GGE
8200	2.000 x 5.625	8.45	11.83	0.018	0.013	EEGB2D822FPE
	2.500 x 3.625	8.85	12.39	0.018	0.013	EEGB2D822GHE
10000	2.500 x 4.125	10.06	14.08	0.015	0.011	EEGB2D103GKE
	3.000 x 3.125	10.57	14.80	0.016	0.012	EEGB2D103HGE
12000	2.500 x 4.625	11.36	15.90	0.012	0.009	EEGB2D123GLE
	3.000 x 3.625	11.94	16.72	0.014	0.010	EEGB2D123HHE
13000	2.500 x 5.125	12.14	17.00	0.011	0.009	EEGB2D133GNE
15000	2.500 x 5.625	13.38	18.73	0.010	0.007	EEGB2D153GPE
	3.000 x 4.125	13.72	19.21	0.011	0.008	EEGB2D153HKE
18000	3.000 x 4.625	15.45	21.63	0.009	0.007	EEGB2D183HLE
20000	3.000 x 5.125	16.68	23.35	0.008	0.006	EEGB2D203HNE
22000	3.000 x 5.625	17.90	25.06	0.007	0.006	EEGB2D223HPE
33000	3.000 x 8.625	24.90	34.86	0.005	0.004	EEGB2D333HWE
250 VDC Working, 300 VDC Surge						
560	1.375 x 1.625	1.39	1.95	0.263	0.197	EEGB2E561CAE
820	1.375 x 2.125	1.77	2.48	0.180	0.135	EEGB2E821CCE
1000	1.375 x 2.625	2.08	2.91	0.147	0.111	EEGB2E102CEE
1200	1.375 x 3.125	2.39	3.35	0.123	0.092	EEGB2E122CGE
1500	1.375 x 3.625	2.80	3.92	0.098	0.074	EEGB2E152CHE
	2.000 x 1.875	2.95	4.13	0.098	0.074	EEGB2E152FBE
1800	1.375 x 4.125	3.18	4.45	0.082	0.061	EEGB2E182CKE
	2.000 x 2.125	3.30	4.62	0.082	0.061	EEGB2E182FCE
2200	1.375 x 4.625	3.65	5.11	0.067	0.050	EEGB2E222CLE
	2.000 x 2.625	3.84	5.38	0.067	0.050	EEGB2E222FEE
2400	1.375 x 5.125	3.94	5.52	0.061	0.046	EEGB2E242CNE
2700	1.375 x 5.625	4.31	6.03	0.055	0.041	EEGB2E272CPE
	2.000 x 3.125	4.44	6.22	0.055	0.041	EEGB2E272FGE
3300	2.000 x 3.625	5.09	7.13	0.045	0.033	EEGB2E332FHE
3900	2.000 x 4.125	5.72	8.01	0.038	0.028	EEGB2E392FKE
4700	2.000 x 5.125	6.69	9.37	0.031	0.024	EEGB2E472FNE
	2.500 x 3.125	6.70	9.38	0.031	0.024	EEGB2E472GGE
5600	2.000 x 5.625	7.50	10.50	0.026	0.020	EEGB2E562FPE
	2.500 x 3.625	7.57	10.60	0.026	0.020	EEGB2E562GHE
6800	2.500 x 4.125	8.59	12.03	0.022	0.016	EEGB2E682GKE
250 VDC Working, 300 VDC Surge (continued)						
7500	3.000 x 3.125	9.46	13.24	0.022	0.016	EEGB2E752HGE
8200	2.500 x 4.625	9.72	13.61	0.018	0.013	EEGB2E822GLE
	3.000 x 3.625	10.20	14.28	0.020	0.015	EEGB2E822HHE
9100	2.500 x 5.125	10.52	14.73	0.016	0.012	EEGB2E912GNE
10000	2.500 x 5.625	11.30	15.82	0.015	0.011	EEGB2E103GPE
	3.000 x 4.125	11.57	16.20	0.016	0.012	EEGB2E103HKE
12000	3.000 x 4.625	13.03	18.24	0.014	0.010	EEGB2E123HLE
13000	3.000 x 5.125	13.89	19.45	0.012	0.009	EEGB2E133HNE
15000	3.000 x 5.625	15.27	21.38	0.011	0.008	EEGB2E153HPE
22000	3.000 x 8.625	21.00	29.40	0.008	0.006	EEGB2E223HWE
300 VDC Working, 350 VDC Surge						
390	1.375 x 1.625	1.11	1.55	0.378	0.283	EEGB2U391CAE
470	1.375 x 2.125	1.29	1.81	0.314	0.235	EEGB2U471CCE
680	1.375 x 2.625	1.65	2.31	0.217	0.163	EEGB2U681CEE
820	1.375 x 3.125	1.90	2.66	0.180	0.135	EEGB2U821CGE
1000	1.375 x 3.625	2.19	3.07	0.147	0.111	EEGB2U102CHE
	2.000 x 1.875	2.32	3.25	0.147	0.111	EEGB2U102FBE
1200	1.375 x 4.125	2.50	3.50	0.123	0.092	EEGB2U122CKE
	2.000 x 2.125	2.59	3.63	0.123	0.092	EEGB2U122FCE
1500	1.375 x 4.625	2.90	4.06	0.098	0.074	EEGB2U152CLE
	2.000 x 2.625	3.06	4.28	0.098	0.074	EEGB2U152FEE
1600	1.375 x 5.125	3.09	4.33	0.092	0.069	EEGB2U162CNE
1800	1.375 x 5.625	3.38	4.73	0.082	0.061	EEGB2U182CPE
2200	2.000 x 3.125	3.86	5.40	0.067	0.050	EEGB2U222FGE
2700	2.000 x 3.625	4.44	6.22	0.055	0.041	EEGB2U272FHE
3300	2.000 x 4.125	5.07	7.10	0.045	0.033	EEGB2U332FKE
	2.500 x 3.125	5.61	7.85	0.045	0.033	EEGB2U332GGE
3900	2.000 x 5.125	5.87	8.22	0.038	0.028	EEGB2U392FNE
	2.500 x 3.625	6.32	8.85	0.038	0.028	EEGB2U392GHE
4700	2.000 x 5.625	6.62	9.27	0.031	0.024	EEGB2U472FPE
	2.500 x 4.125	7.14	10.00	0.031	0.024	EEGB2U472GKE
5100	3.000 x 3.125	7.80	10.92	0.032	0.024	EEGB2U512HGE
5600	2.500 x 4.625	8.04	11.26	0.026	0.020	EEGB2U562GLE
6200	2.500 x 5.125	8.68	12.15	0.024	0.018	EEGB2U622GNE
	3.000 x 3.625	8.87	12.42	0.026	0.020	EEGB2U622HHE
6800	2.500 x 5.625	9.32	13.05	0.022	0.016	EEGB2U682GPE
	3.000 x 4.125	9.54	13.36	0.024	0.018	EEGB2U682HKE
8200	3.000 x 4.625	10.77	15.08	0.020	0.015	EEGB2U822HLE
9100	3.000 x 5.125	11.62	16.27	0.018	0.013	EEGB2U912HNE
10000	3.000 x 5.625	12.47	17.46	0.016	0.012	EEGB2U103HPE
18000	3.000 x 8.625	18.99	26.59	0.010	0.007	EEGB2U183HWE
350 VDC Working, 400 VDC Surge						
330	1.375 x 1.625	0.99	1.39	0.447	0.313	EEGB2V331CAE
390	1.375 x 2.125	1.13	1.58	0.378	0.264	EEGB2V391CCE
560	1.375 x 2.625	1.44	2.02	0.263	0.184	EEGB2V561CEE
680	1.375 x 3.125	1.67	2.34	0.217	0.152	EEGB2V681CGE
820	1.375 x 3.625	1.91	2.67	0.180	0.126	EEGB2V821CHE
	2.000 x 1.875	2.10	2.94	0.180	0.126	EEGB2V821FBE
1000	1.375 x 4.125	2.19	3.07	0.147	0.103	EEGB2V102CKE
	2.000 x 2.125	2.37	3.32	0.147	0.103	EEGB2V102FCE
1200	1.375 x 4.625	2.50	3.50	0.123	0.086	EEGB2V122CLE
	2.000 x 2.625	2.73	3.82	0.123	0.086	EEGB2V122FEE
1300	1.375 x 5.125	2.69	3.77	0.113	0.079	EEGB2V132CNE
1500	1.375 x 5.625	2.98	4.17	0.098	0.069	EEGB2V152CPE
	2.000 x 3.125	3.19	4.47	0.098	0.069	EEGB2V152FGE
1800	2.000 x 3.625	3.63	5.08	0.082	0.057	EEGB2V182FHE
2200	2.000 x 4.125	4.14	5.80	0.067	0.047	EEGB2V222FKE
2700	2.000 x 5.125	4.89	6.85	0.055	0.038	EEGB2V272FNE
	2.500 x 3.125	4.91	6.87	0.055	0.038	EEGB2V272GGE
3300	2.000 x 5.625	5.55	7.77	0.045	0.031	EEGB2V332FPE
	2.500 x 3.625	5.61	7.85	0.045	0.031	EEGB2V332GHE
3900	2.500 x 4.125	6.29	8.81	0.038	0.026	EEGB2V392GKE
	3.000 x 3.125	6.82	9.55	0.042	0.029	EEGB2V392HGE
4700	2.500 x 4.625	7.11	9.95	0.031	0.022	EEGB2V472GLE
	3.000 x 3.625	7.72	10.81	0.034	0.024	EEGB2V472HHE
5100	2.500 x 5.125	7.61	10.65	0.029	0.020	EEGB2V512GNE
5600	2.500 x 5.625	8.17	11.44	0.026	0.018	EEGB2V562GPE
	3.000 x 4.125	8.66	12.12	0.029	0.020	EEGB2V562HKE
6800	3.000 x 4.625	9.81	13.73	0.024	0.017	EEGB2V682HLE
7500	3.000 x 5.125	10.55	14.77	0.022	0.015	EEGB2V752HNE
8200	3.000 x 5.625	11.29	15.81	0.020	0.014	EEGB2V822HPE
12000	3.000 x 8.625	15.51	21.71	0.015	0.010	EEGB2V123HWE

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Aluminum Electroly

G-BA Typical Ratings (continued)

Cap. (µF)	Nominal Size D x L (inches)	Max 105°C R.C. (A_{rms}) 120Hz	Max 105°C R.C. (A_{rms}) 10kHz~	20°C ESR (Ω, max.) 120Hz	20°C ESR (Ω, max.) 20kHz	Panasonic Part Number
400 VDC Working, 450 VDC Surge						
270	1.375 x 1.625	0.97	1.36	0.546	0.355	**EEGB2G271CAE**
330	1.375 x 2.125	1.13	1.58	0.447	0.290	**EEGB2G331CCE**
390	1.375 x 2.625	1.31	1.83	0.378	0.246	**EEGB2G391CEE**
560	1.375 x 3.125	1.65	2.31	0.263	0.171	**EEGB2G561CGE**
	2.000 x 1.875	1.82	2.55	0.263	0.171	**EEGB2G561FBE**
680	1.375 x 3.625	1.90	2.66	0.217	0.141	**EEGB2G681CHE**
	2.000 x 2.125	2.04	2.86	0.217	0.141	**EEGB2G681FCE**
820	1.375 x 4.125	2.17	3.04	0.180	0.117	**EEGB2G821CKE**
910	1.375 x 4.625	2.38	3.33	0.162	0.105	**EEGB2G911CLE**
1000	1.375 x 5.125	2.57	3.60	0.147	0.096	**EEGB2G102CNE**
	2.000 x 2.625	2.61	3.65	0.147	0.096	**EEGB2G102FEE**
1200	1.375 x 5.625	2.91	4.07	0.123	0.080	**EEGB2G122CPE**
	2.000 x 3.125	2.98	4.17	0.123	0.080	**EEGB2G122FGE**
1500	2.000 x 3.625	3.46	4.84	0.098	0.064	**EEGB2G152FHE**
1800	2.000 x 4.125	3.92	5.49	0.082	0.053	**EEGB2G182FKE**
2200	2.000 x 5.125	4.61	6.45	0.067	0.044	**EEGB2G222FNE**
	2.500 x 3.125	4.61	6.45	0.067	0.044	**EEGB2G222GGE**
2700	2.000 x 5.625	5.25	7.35	0.055	0.035	**EEGB2G272FPE**
	2.500 x 3.625	5.28	7.39	0.055	0.035	**EEGB2G272GHE**
3300	2.500 x 4.125	6.01	8.41	0.045	0.029	**EEGB2G332GKE**
	3.000 x 3.125	6.29	8.81	0.049	0.032	**EEGB2G332HGE**
3600	2.500 x 4.625	6.47	9.06	0.041	0.027	**EEGB2G362GLE**
3900	2.500 x 5.125	6.92	9.69	0.038	0.025	**EEGB2G392GNE**
	3.000 x 3.625	7.05	9.87	0.042	0.027	**EEGB2G392HHE**
4700	2.500 x 5.625	7.79	10.91	0.031	0.020	**EEGB2G472GPE**
	3.000 x 4.125	7.95	11.13	0.034	0.022	**EEGB2G472HKE**
5200	3.000 x 4.625	8.59	12.03	0.031	0.020	**EEGB2G522HLE**
5600	3.000 x 5.125	9.14	12.80	0.029	0.019	**EEGB2G562HNE**
6800	3.000 x 5.625	10.30	14.42	0.024	0.015	**EEGB2G682HPE**
10000	3.000 x 8.625	14.19	19.87	0.018	0.011	**EEGB2G103HWE**
450 VDC Working, 500 VDC Surge						
220	1.375 x 1.625	0.88	1.23	0.670	0.435	**EEGB2W221CAE**
270	1.375 x 2.125	1.03	1.44	0.546	0.355	**EEGB2W271CCE**
330	1.375 x 2.625	1.21	1.69	0.447	0.290	**EEGB2W331CEE**
470	1.375 x 3.125	1.51	2.11	0.314	0.204	**EEGB2W471CGE**
	2.000 x 1.875	1.67	2.34	0.314	0.204	**EEGB2W471FBE**
560	1.375 x 3.625	1.73	2.42	0.263	0.171	**EEGB2W561CHE**
	2.000 x 2.125	1.85	2.59	0.263	0.171	**EEGB2W561FCE**
680	1.375 x 4.125	1.98	2.77	0.217	0.141	**EEGB2W681CKE**
750	1.375 x 4.625	2.16	3.02	0.196	0.128	**EEGB2W751CLE**
820	1.375 x 5.125	2.33	3.26	0.180	0.117	**EEGB2W821CNE**
	2.000 x 2.625	2.36	3.30	0.180	0.117	**EEGB2W821FEE**
1000	1.375 x 5.625	2.65	3.71	0.147	0.096	**EEGB2W102CPE**
	2.000 x 3.125	2.72	3.81	0.147	0.096	**EEGB2W102FGE**
1200	2.000 x 3.625	3.10	4.34	0.123	0.080	**EEGB2W122FHE**
1500	2.000 x 4.125	3.58	5.01	0.098	0.064	**EEGB2W152FKE**
	2.500 x 3.125	3.80	5.32	0.098	0.064	**EEGB2W152GGE**
1800	2.000 x 5.125	4.17	5.84	0.082	0.053	**EEGB2W182FNE**
	2.500 x 3.625	4.31	6.03	0.082	0.053	**EEGB2W182GHE**
2200	2.000 x 5.625	4.74	6.64	0.067	0.044	**EEGB2W222FPE**
	2.500 x 4.125	4.91	6.87	0.067	0.044	**EEGB2W222GKE**
2700	2.500 x 4.625	5.61	7.85	0.055	0.035	**EEGB2W272GLE**
	3.000 x 3.125	5.69	7.97	0.060	0.039	**EEGB2W272HGE**
3300	2.500 x 5.125	6.36	8.90	0.045	0.029	**EEGB2W332GNE**
	3.000 x 3.625	6.48	9.07	0.049	0.032	**EEGB2W332HHE**
3900	2.500 x 5.625	7.09	9.93	0.038	0.025	**EEGB2W392GPE**
	3.000 x 4.125	7.24	10.14	0.042	0.027	**EEGB2W392HKE**
4300	3.000 x 4.625	7.82	10.95	0.038	0.025	**EEGB2W432HLE**
4700	3.000 x 5.125	8.37	11.72	0.034	0.022	**EEGB2W472HNE**
5600	3.000 x 5.625	9.35	13.09	0.029	0.019	**EEGB2W562HPE**
9100	3.000 x 8.625	13.54	18.96	0.019	0.013	**EEGB2W912HWE**

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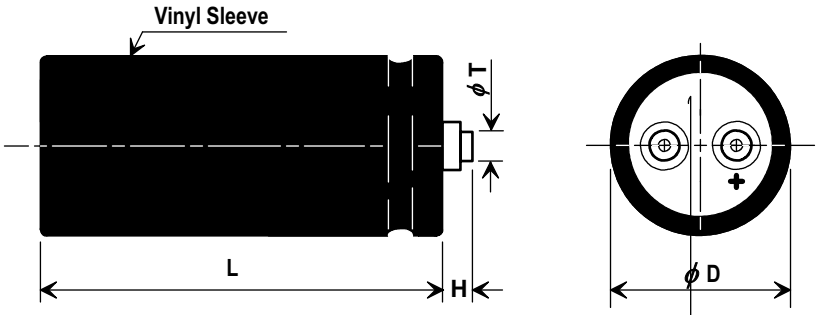
G Type General Information

Dimensions



Case Code	Nominal Size DxL (inches)	Sleeved Case Dimensions							
		Inches			Millimeters			Stud Option	
		ϕD ±0.031	L ±0.062	S ±0.016	ϕD ± 0.79	L ±1.58	S ±0.41	Thread	A±1mm
CA	1.375 x 1.625		1.656			42.1			
CC	1.375 x 2.125		2.156			54.8			
CE	1.375 x 2.625		2.656			67.5			
CG	1.375 x 3.125		3.156			80.2			
CH	1.375 x 3.625	1.395	3.656	0.500	35.4	92.9	12.7	M8	12
CK	1.375 x 4.125		4.156			105.6			
CL	1.375 x 4.625		4.656			118.3			
CN	1.375 x 5.125		5.156			131.0			
CP	1.375 x 5.625		5.656			143.7			
FB	2.000 x 1.875		1.906			48.4			
FC	2.000 x 2.125		2.156			54.8			
FE	2.000 x 2.625		2.656			67.5			
FG	2.000 x 3.125		3.156			80.2			
FH	2.000 x 3.625	2.020	3.656	0.863	51.3	92.9	21.9	M12	16
FK	2.000 x 4.125		4.156			105.6			
FL	2.000 x 4.625		4.656			118.3			
FN	2.000 x 5.125		5.156			131.0			
FP	2.000 x 5.625		5.656			143.7			
GG	2.500 x 3.125		3.156			80.2			
GH	2.500 x 3.625		3.656			92.9			
GK	2.500 x 4.125	2.520	4.156	1.125	64.0	105.6	28.6	M12	16
GL	2.500 x 4.625		4.656			118.3			
GN	2.500 x 5.125		5.156			131.0			
GP	2.500 x 5.625		5.656			143.7			
HG	3.000 x 3.125		3.156			80.2			
HH	3.000 x 3.625		3.656			92.9			
HK	3.000 x 4.125		4.156			105.6			
HL	3.000 x 4.625	3.020	4.656	1.250	76.7	118.3	31.8	M12	16
HN	3.000 x 5.125		5.156			131.0			
HP	3.000 x 5.625		5.656			143.7			
HW	3.000 x 8.625		8.656			219.9			

Terminal Specifications (inches)					
Terminal / Mtg. Code		Thread	Min. thread depth	H±0.031	ϕT ±0.010
No Stud	With Stud				
E	N	10-32 NF-2B	0.375	0.250	0.314
L	Q	10-32 NF-2B	0.218	0.062	0.314
M	R	M5	0.375	0.250	0.314
P	U	M5	0.335	0.207	0.508
H	T	1/4-28 NF-2B	0.469	0.250	0.684
J	S	1/4-28 NF-2B	0.354	0.110	0.684
X	W	M6	0.469	0.250	0.684
Y	V	M6	0.354	0.110	0.684

Terminal Specifications (millimeters)					
Terminal / Mtg. Code		Thread	Min. thread depth	H±0.79	ϕT ± 0.25
No Stud	With Stud				
E	N	10-32 NF-2B	9.5	6.4	8.0
L	Q	10-32 NF-2B	5.5	1.6	8.0
M	R	M5	9.5	6.4	8.0
P	U	M5	8.5	5.3	12.9
H	T	1/4-28 NF-2B	11.9	6.4	17.4
J	S	1/4-28 NF-2B	9.0	2.8	17.4
X	W	M6	11.9	6.4	17.4
Y	V	M6	9.0	2.8	17.4

Terminal Availability by Diameter						
Terminal / Mtg. Code		Nominal Diameter				Max. ripple current (A)
No Stud	With Stud	1.375"	2.000"	2.500"	3.000"	
E	N	S	S	S	S	
L	Q	O	O	O	O	30
M	R	O	O	O	O	
P	U	N.A.	N.A.	O	O	40
H	T	N.A.	N.A.	O	O	
J	S	N.A.	N.A.	O	O	50
X	W	N.A.	N.A.	O	O	
Y	V	N.A.	N.A.	O	O	

S: standard **O**: optional **N.A.**: not available

Standard Packaging Quantities

Diameter	Length	Box Quantity
1.375" (35mm)	1.625" (41mm)	100
1.375" (35mm)	>1.625" (41mm)	50
2.000" (51mm)	All	42
2.500" (64mm)	All	30
3.000" (76mm)	All	20

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