TS-HC Series snap-in style



- ***Highly miniaturized version (30% smaller than HB series)***
- ***2 and 3 pin versions available***
- ***2000 hour life at 105°C***
- ***Can vent construction***

Rated Working Voltage:	10 ~ 250 VDC	350 ~ 450 VDC
Operating Temperature:	-40 ~ +105°C	-25 ~ +105°C
Nominal Capacitance:	270~100000 µF	100 ~ 820µF
Capacitance Tolerance:	± 20%	

Dissipation Factor (120 Hz, +20°C):

Working Voltage [V]:	10	16	25	35	50	63	80	100 - 450
Max. D.F. (%):	55	45	35	30	25	20	17	15

For capacitance values > 33000µF, add the value of: $\frac{\text{(rated cap. [µF] - 33000)}}{1000}$

Leakage Current: 3vCV (µA) max. after 5 minutes; *C = Capacitance in µF, V = WV*

Ripple Current Multipliers:

Frequency(Hz):	50	60	100~120	500	1k	10k~
10~100WV:	0.93	0.95	1.0	1.05	1.08	1.15
160~500WV:	0.75	0.8	1.0	1.2	1.25	1.4

Ripple Current Ambient Temperature Factors*					
Ambient Temperature:	105°C	85°C	70°C	60°C	=45°C
Multiplier:	1.0	1.7	2.0	2.2	2.35

Endurance: 2000 hours at +105°C with maximum specified ripple current (see page 4)

*Use of temperature ripple current multipliers may limit life to the hours specified for the maximum operating temperature.

Part Number System

E E T — Common Code

H C — Series Code

□□ — Voltage Code

□□□ — Capacitance Code

□ □ — Diameter / Terminal Code

# of pins:	2	2	3
pin length:	6.3mm	4.0mm	4.0mm
Diameter 22mm	B	H	P
25mm	C	J	Q
30mm	D	K	R
35mm	E	L	S

(Please see page 7 for details)

Top Vinyl Plate	
A	with plate
	without plate (no suffix)

TS-HC Standard Ratings (part numbers shown with 2 pins, 6.3mm length terminal, and top vinyl plate)

Cap. (µF)	Size (mm) D x L	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						
12000	22 x 25	2.20	2.53	0.076	0.065	**EETHC1A123BA**
18000	22 x 30	2.40	2.76	0.051	0.043	**EETHC1A183BA**
	25 x 25	2.40	2.76	0.051	0.043	**EETHC1A183CA**
22000	22 x 35	2.60	2.99	0.041	0.035	**EETHC1A223BA**
	25 x 30	2.60	2.99	0.041	0.035	**EETHC1A223CA**
27000	22 x 40	3.10	3.57	0.034	0.029	**EETHC1A273BA**
	25 x 35	3.10	3.57	0.034	0.029	**EETHC1A273CA**
	30 x 25	3.10	3.57	0.034	0.029	**EETHC1A273DA**
33000	22 x 45	3.40	3.91	0.028	0.023	**EETHC1A333BA**
	25 x 40	3.40	3.91	0.028	0.023	**EETHC1A333CA**
39000	25 x 45	3.70	4.26	0.026	0.022	**EETHC1A393CA**
	30 x 30	3.70	4.26	0.026	0.023	**EETHC1A393DA**
	35 x 25	3.70	4.26	0.026	0.022	**EETHC1A393EA**
47000	25 x 50	4.20	4.83	0.024	0.021	**EETHC1A473CA**
	30 x 35	4.20	4.83	0.024	0.022	**EETHC1A473DA**
	35 x 30	4.20	4.83	0.024	0.021	**EETHC1A473EA**
56000	30 x 40	5.00	5.75	0.023	0.021	**EETHC1A563DA**
	35 x 35	5.00	5.75	0.023	0.020	**EETHC1A563EA**
68000	30 x 45	5.40	6.21	0.022	0.020	**EETHC1A683DA**
	35 x 40	5.40	6.21	0.022	0.019	**EETHC1A683EA**
82000	35 x 45	6.10	7.02	0.021	0.019	**EETHC1A823EA**
100000	35 x 50	6.90	7.94	0.020	0.019	**EETHC1A104EA**
16 VDC Working, 20 VDC Surge						
10000	22 x 25	2.60	2.99	0.075	0.063	**EETHC1C103BA**
12000	22 x 30	2.90	3.34	0.062	0.053	**EETHC1C123BA**
	25 x 25	2.90	3.34	0.062	0.053	**EETHC1C123CA**
15000	22 x 35	3.20	3.68	0.050	0.042	**EETHC1C153BA**
18000	22 x 40	3.50	4.03	0.041	0.035	**EETHC1C183BA**
	25 x 30	3.50	4.03	0.041	0.035	**EETHC1C183CA**
22000	22 x 45	3.80	4.37	0.034	0.029	**EETHC1C223BA**
	25 x 35	3.80	4.37	0.034	0.029	**EETHC1C223CA**
	30 x 25	3.80	4.37	0.034	0.029	**EETHC1C223DA**
27000	22 x 50	4.20	4.83	0.028	0.023	**EETHC1C273BA**
	25 x 40	4.20	4.83	0.028	0.023	**EETHC1C273CA**
	30 x 30	4.20	4.83	0.028	0.023	**EETHC1C273DA**
	35 x 25	4.20	4.83	0.028	0.023	**EETHC1C273EA**
33000	25 x 45	4.70	5.41	0.023	0.019	**EETHC1C333CA**
	30 x 35	4.70	5.41	0.023	0.019	**EETHC1C333DA**
	35 x 30	4.70	5.41	0.023	0.020	**EETHC1C333EA**
39000	30 x 40	5.10	5.87	0.022	0.018	**EETHC1C393DA**
	35 x 35	5.10	5.87	0.022	0.020	**EETHC1C393EA**
47000	30 x 45	5.50	6.33	0.016	0.014	**EETHC1C473DA**
	35 x 40	5.50	6.33	0.021	0.019	**EETHC1C473EA**
56000	30 x 50	6.00	6.90	0.020	0.018	**EETHC1C563DA**
	35 x 45	6.00	6.90	0.020	0.018	**EETHC1C563EA**
25 VDC Working, 32 VDC Surge						
6800	22 x 25	2.40	2.76	0.085	0.064	**EETHC1E682BA**
8200	22 x 30	2.70	3.11	0.071	0.053	**EETHC1E822BA**
	25 x 25	2.70	3.11	0.071	0.053	**EETHC1E822CA**
10000	22 x 35	3.00	3.45	0.058	0.044	**EETHC1E103BA**
12000	22 x 40	3.20	3.68	0.048	0.036	**EETHC1E123BA**
	25 x 30	3.20	3.68	0.048	0.036	**EETHC1E123CA**
15000	22 x 45	3.60	4.14	0.039	0.029	**EETHC1E153BA**
	25 x 35	3.60	4.14	0.039	0.029	**EETHC1E153CA**

TS-HC Standard Ratings (continued)

Cap. (μF)	Size (mm) D x L	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)						
15000	30 x 25	3.60	4.14	0.039	0.029	EETHC1E153DA
18000	22 x 50	3.90	4.49	0.032	0.024	EETHC1E183BA
	25 x 40	3.90	4.49	0.032	0.024	EETHC1E183CA
	30 x 30	3.90	4.49	0.032	0.024	EETHC1E183DA
	35 x 25	3.90	4.49	0.032	0.024	EETHC1E183EA
22000	25 x 45	4.30	4.95	0.026	0.020	EETHC1E223CA
	30 x 35	4.30	4.95	0.026	0.020	EETHC1E223DA
	35 x 30	4.30	4.95	0.026	0.020	EETHC1E223EA
27000	30 x 40	4.80	5.52	0.021	0.016	EETHC1E273DA
	35 x 35	4.80	5.52	0.021	0.016	EETHC1E273EA
33000	30 x 45	5.50	6.33	0.018	0.013	EETHC1E333DA
	35 x 40	5.50	6.33	0.018	0.014	EETHC1E333EA
39000	30 x 50	5.80	6.67	0.017	0.013	EETHC1E393DA
	35 x 45	5.80	6.67	0.017	0.014	EETHC1E393EA
47000	35 x 50	6.30	7.25	0.017	0.014	EETHC1E473EA
35 VDC Working, 44 VDC Surge						
4700	22 x 25	2.20	2.53	0.106	0.079	EETHC1V472BA
5600	22 x 30	2.40	2.76	0.089	0.067	EETHC1V562BA
	25 x 25	2.40	2.76	0.089	0.067	EETHC1V562CA
6800	22 x 35	2.60	2.99	0.073	0.055	EETHC1V682BA
8200	22 x 40	2.90	3.34	0.061	0.045	EETHC1V822BA
	25 x 30	2.90	3.34	0.061	0.045	EETHC1V822CA
10000	22 x 45	3.20	3.68	0.050	0.037	EETHC1V103BA
	25 x 35	3.20	3.68	0.050	0.037	EETHC1V103CA
	30 x 25	3.20	3.68	0.050	0.037	EETHC1V103DA
12000	25 x 40	3.50	4.03	0.041	0.031	EETHC1V123CA
	30 x 30	3.50	4.03	0.041	0.031	EETHC1V123DA
	35 x 25	3.50	4.03	0.041	0.031	EETHC1V123EA
15000	25 x 45	3.90	4.49	0.033	0.025	EETHC1V153CA
	30 x 35	3.90	4.49	0.033	0.025	EETHC1V153DA
	35 x 30	3.90	4.49	0.033	0.025	EETHC1V153EA
18000	30 x 40	4.30	4.95	0.028	0.021	EETHC1V183DA
	35 x 35	4.30	4.95	0.028	0.021	EETHC1V183EA
22000	30 x 45	5.00	5.75	0.023	0.017	EETHC1V223DA
	35 x 40	5.00	5.75	0.023	0.017	EETHC1V223EA
27000	30 x 50	5.30	6.10	0.018	0.014	EETHC1V273DA
	35 x 45	5.30	6.10	0.018	0.014	EETHC1V273EA
33000	35 x 50	5.90	6.79	0.015	0.012	EETHC1V333EA
50 VDC Working, 63 VDC Surge						
2700	22 x 25	1.80	2.07	0.154	0.115	EETHC1H272BA
3300	22 x 30	2.00	2.30	0.126	0.094	EETHC1H332BA
3900	22 x 35	2.20	2.53	0.106	0.080	EETHC1H392BA
	25 x 25	2.20	2.53	0.106	0.080	EETHC1H392CA
4700	22 x 40	2.50	2.88	0.088	0.066	EETHC1H472BA
	25 x 30	2.50	2.88	0.088	0.066	EETHC1H472CA
5600	22 x 45	2.80	3.22	0.074	0.056	EETHC1H562BA
	25 x 35	2.80	3.22	0.074	0.056	EETHC1H562CA
	30 x 25	2.80	3.22	0.074	0.056	EETHC1H562DA
6800	22 x 50	3.30	3.80	0.061	0.046	EETHC1H682BA
	25 x 40	3.30	3.80	0.061	0.046	EETHC1H682CA
	30 x 30	3.30	3.80	0.061	0.046	EETHC1H682DA
	35 x 25	3.30	3.80	0.061	0.046	EETHC1H682EA
8200	25 x 45	3.60	4.14	0.051	0.038	EETHC1H822CA
	30 x 35	3.60	4.14	0.051	0.038	EETHC1H822DA
10000	25 x 50	4.00	4.60	0.041	0.031	EETHC1H103CA
	30 x 40	4.00	4.60	0.041	0.031	EETHC1H103DA
	35 x 30	4.00	4.60	0.041	0.031	EETHC1H103EA
12000	30 x 45	4.50	5.18	0.035	0.026	EETHC1H123DA
	35 x 35	4.50	5.18	0.035	0.028	EETHC1H123EA
15000	30 x 50	4.80	5.52	0.028	0.021	EETHC1H153DA
	35 x 40	4.80	5.52	0.028	0.022	EETHC1H153EA
18000	35 x 45	5.60	6.44	0.023	0.018	EETHC1H183EA
63 VDC Working, 79 VDC Surge						
2200	22 x 25	2.00	2.30	0.151	0.113	EETHC1J222BA
2700	22 x 30	2.20	2.53	0.123	0.092	EETHC1J272BA
	25 x 25	2.20	2.53	0.123	0.092	EETHC1J272CA
3300	22 x 35	2.50	2.88	0.100	0.075	EETHC1J332BA
3900	22 x 40	2.70	3.11	0.085	0.064	EETHC1J392BA
	25 x 30	2.70	3.11	0.085	0.064	EETHC1J392CA
	30 x 25	2.70	3.11	0.085	0.064	EETHC1J392DA
4700	22 x 45	3.00	3.45	0.071	0.053	EETHC1J472BA
4700	25 x 35	3.00	3.45	0.071	0.053	EETHC1J472CA
5600	22 x 50	3.30	3.80	0.059	0.044	EETHC1J562BA
	25 x 40	3.30	3.80	0.059	0.044	EETHC1J562CA
	30 x 30	3.30	3.80	0.059	0.044	EETHC1J562DA
	35 x 25	3.30	3.80	0.059	0.044	EETHC1J562EA
6800	25 x 45	3.60	4.14	0.049	0.037	EETHC1J682CA
	30 x 35	3.60	4.14	0.049	0.037	EETHC1J682DA
	35 x 30	3.60	4.14	0.049	0.037	EETHC1J682EA
8200	30 x 40	3.90	4.49	0.040	0.030	EETHC1J822DA
	35 x 35	3.90	4.49	0.040	0.030	EETHC1J822EA
10000	30 x 45	4.40	5.06	0.033	0.025	EETHC1J103DA
	35 x 40	4.40	5.06	0.033	0.025	EETHC1J103EA
12000	30 x 50	4.80	5.52	0.028	0.021	EETHC1J123DA
	35 x 45	4.80	5.52	0.028	0.022	EETHC1J123EA
15000	35 x 50	5.40	6.21	0.022	0.018	EETHC1J153EA
80 VDC Working, 100 VDC Surge						
1200	22 x 25	1.50	1.73	0.235	0.176	EETHC1K122BA
1500	22 x 30	1.70	1.96	0.188	0.141	EETHC1K152BA
	25 x 25	1.70	1.96	0.188	0.141	EETHC1K152CA
1800	22 x 35	1.80	2.07	0.157	0.117	EETHC1K182BA
2200	22 x 40	2.10	2.42	0.128	0.096	EETHC1K222BA
	25 x 30	2.10	2.42	0.128	0.096	EETHC1K222CA
2700	22 x 45	2.40	2.76	0.104	0.078	EETHC1K272BA
	25 x 35	2.40	2.76	0.104	0.078	EETHC1K272CA
	30 x 25	2.40	2.76	0.104	0.078	EETHC1K272DA
3300	22 x 50	2.60	2.99	0.085	0.064	EETHC1K332BA
	25 x 40	2.60	2.99	0.085	0.064	EETHC1K332CA
	30 x 30	2.60	2.99	0.085	0.064	EETHC1K332DA
	35 x 25	2.60	2.99	0.085	0.064	EETHC1K332EA
3900	25 x 45	3.00	3.45	0.072	0.054	EETHC1K392CA
	30 x 35	3.00	3.45	0.072	0.054	EETHC1K392DA
4700	25 x 50	3.30	3.80	0.060	0.045	EETHC1K472CA
	30 x 40	3.30	3.80	0.060	0.045	EETHC1K472DA
	35 x 30	3.30	3.80	0.060	0.045	EETHC1K472EA
5600	30 x 45	3.70	4.26	0.050	0.038	EETHC1K562DA
	35 x 35	3.70	4.26	0.050	0.038	EETHC1K562EA
6800	30 x 50	3.90	4.49	0.041	0.031	EETHC1K682DA
	35 x 40	3.90	4.49	0.041	0.032	EETHC1K682EA
8200	35 x 45	4.50	5.18	0.034	0.027	EETHC1K822EA
100 VDC Working, 125 VDC Surge						
820	22 x 25	1.40	1.61	0.303	0.197	EETHC2A821BA
1200	22 x 30	1.80	2.07	0.207	0.135	EETHC2A122BA
	25 x 25	1.80	2.07	0.207	0.135	EETHC2A122CA
1500	22 x 35	2.10	2.42	0.166	0.108	EETHC2A152BA
	25 x 30	2.10	2.42	0.166	0.108	EETHC2A152CA
1800	22 x 40	2.30	2.65	0.138	0.090	EETHC2A182BA
	25 x 35	2.30	2.65	0.138	0.090	EETHC2A182CA
	30 x 25	2.30	2.65	0.138	0.090	EETHC2A182DA
2200	22 x 45	2.60	2.99	0.113	0.073	EETHC2A222BA
	25 x 40	2.60	2.99	0.113	0.073	EETHC2A222CA
	30 x 30	2.60	2.99	0.113	0.073	EETHC2A222DA
	35 x 25	2.60	2.99	0.113	0.073	EETHC2A222EA
2700	25 x 45	2.90	3.34	0.092	0.060	EETHC2A272CA
	30 x 35	2.90	3.34	0.092	0.060	EETHC2A272DA
3300	25 x 50	3.20	3.68	0.075	0.049	EETHC2A332CA
	30 x 40	3.20	3.68	0.075	0.049	EETHC2A332DA
	35 x 30	3.20	3.68	0.075	0.049	EETHC2A332EA
3900	30 x 45	3.60	4.14	0.064	0.043	EETHC2A392DA
	35 x 35	3.60	4.14	0.064	0.043	EETHC2A392EA
4700	30 x 50	3.80	4.37	0.053	0.038	EETHC2A472DA
	35 x 40	3.80	4.37	0.053	0.037	EETHC2A472EA
5600	35 x 45	4.20	4.83	0.044	0.031	EETHC2A562EA
6800	35 x 50	4.70	5.41	0.037	0.027	EETHC2A682EA
160 VDC Working, 200 VDC Surge						
470	22 x 25	1.40	1.96	0.423	0.190	EETHC2C471BA
560	22 x 30	1.50	2.10	0.355	0.160	EETHC2C561BA
680	22 x 30	1.70	2.38	0.293	0.132	EETHC2C681BA
	25 x 25	1.70	2.38	0.293	0.132	EETHC2C681CA
820	22 x 35	2.00	2.80	0.243	0.109	EETHC2C821BA
	25 x 30	2.00	2.80	0.243	0.109	EETHC2C821CA
1000	22 x 40	2.20	3.08	0.199	0.090	EETHC2C102BA

TS-HC Standard Ratings (continued)

Cap. (μF)	Size (mm) D x L	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
160 VDC Working, 200 VDC Surge (continued)						
1000	25 x 35	2.20	3.08	0.199	0.090	**EETHC2C102CA**
	30 x 25	2.20	3.08	0.216	0.108	**EETHC2C102DA**
1200	22 x 45	2.30	3.22	0.166	0.075	**EETHC2C122BA**
	25 x 40	2.30	3.22	0.166	0.075	**EETHC2C122CA**
	30 x 30	2.30	3.22	0.166	0.075	**EETHC2C122DA**
	35 x 25	2.30	3.22	0.180	0.090	**EETHC2C122EA**
1500	25 x 45	2.50	3.50	0.133	0.060	**EETHC2C152CA**
	30 x 35	2.50	3.50	0.133	0.060	**EETHC2C152DA**
	35 x 30	2.50	3.50	0.155	0.077	**EETHC2C152EA**
1800	25 x 50	2.70	3.78	0.111	0.050	**EETHC2C182CA**
	30 x 40	2.70	3.78	0.111	0.050	**EETHC2C182DA**
	35 x 30	2.70	3.78	0.120	0.060	**EETHC2C182EA**
2200	30 x 45	2.90	4.06	0.090	0.041	**EETHC2C222DA**
	35 x 35	2.90	4.06	0.098	0.049	**EETHC2C222EA**
2700	30 x 50	3.10	4.34	0.080	0.040	**EETHC2C272DA**
	35 x 40	3.10	4.34	0.086	0.043	**EETHC2C272EA**
3300	35 x 50	3.30	4.62	0.070	0.042	**EETHC2C332EA**
200 VDC Working, 250 VDC Surge						
390	22 x 25	1.31	1.83	0.510	0.230	**EETHC2D391BA**
470	22 x 30	1.45	2.03	0.423	0.190	**EETHC2D471BA**
560	22 x 30	1.67	2.34	0.355	0.160	**EETHC2D561BA**
680	22 x 40	1.75	2.45	0.293	0.132	**EETHC2D681BA**
	25 x 30	1.75	2.45	0.293	0.132	**EETHC2D681CA**
820	22 x 45	2.04	2.86	0.243	0.109	**EETHC2D821BA**
	25 x 35	2.04	2.86	0.243	0.109	**EETHC2D821CA**
	30 x 25	2.04	2.86	0.243	0.109	**EETHC2D821DA**
1000	22 x 50	2.30	3.22	0.199	0.090	**EETHC2D102BA**
	25 x 45	2.30	3.22	0.199	0.090	**EETHC2D102CA**
	30 x 30	2.30	3.22	0.199	0.090	**EETHC2D102DA**
	35 x 25	2.30	3.22	0.216	0.097	**EETHC2D102EA**
1200	25 x 50	2.65	3.71	0.166	0.075	**EETHC2D122CA**
	30 x 35	2.65	3.71	0.166	0.075	**EETHC2D122DA**
	35 x 30	2.65	3.71	0.180	0.090	**EETHC2D122EA**
1500	30 x 40	2.80	3.92	0.133	0.060	**EETHC2D152DA**
	35 x 30	2.80	3.92	0.144	0.072	**EETHC2D152EA**
1800	30 x 45	3.08	4.31	0.111	0.050	**EETHC2D182DA**
	35 x 40	3.08	4.31	0.129	0.064	**EETHC2D182EA**
2200	30 x 50	3.48	4.87	0.090	0.041	**EETHC2D222DA**
	35 x 45	3.48	4.87	0.098	0.044	**EETHC2D222EA**
250 VDC Working, 300 VDC Surge						
270	22 x 25	1.10	1.54	0.614	0.276	**EETHC2E271BA**
330	22 x 30	1.20	1.68	0.502	0.226	**EETHC2E331BA**
	25 x 25	1.20	1.68	0.502	0.226	**EETHC2E331CA**
390	22 x 35	1.30	1.82	0.425	0.191	**EETHC2E391BA**
	25 x 25	1.30	1.82	0.425	0.191	**EETHC2E391CA**
470	22 x 40	1.40	1.96	0.353	0.159	**EETHC2E471BA**
	25 x 30	1.40	1.96	0.353	0.159	**EETHC2E471CA**
	30 x 25	1.40	1.96	0.353	0.159	**EETHC2E471DA**
560	22 x 45	1.50	2.10	0.296	0.133	**EETHC2E561BA**
	25 x 35	1.50	2.10	0.296	0.133	**EETHC2E561CA**
	30 x 25	1.50	2.10	0.296	0.133	**EETHC2E561DA**
680	22 x 50	1.70	2.38	0.244	0.110	**EETHC2E681BA**
	25 x 40	1.70	2.38	0.244	0.110	**EETHC2E681CA**
	30 x 30	1.70	2.38	0.244	0.110	**EETHC2E681DA**
	35 x 25	1.70	2.38	0.244	0.110	**EETHC2E681EA**
820	25 x 45	2.00	2.80	0.202	0.091	**EETHC2E821CA**
	30 x 35	2.00	2.80	0.202	0.091	**EETHC2E821DA**
	35 x 30	2.00	2.80	0.202	0.091	**EETHC2E821EA**
1000	30 x 40	2.20	3.08	0.166	0.075	**EETHC2E102DA**
1200	30 x 45	2.30	3.22	0.138	0.062	**EETHC2E122DA**
1500	35 x 45	2.50	3.50	0.111	0.050	**EETHC2E152EA**
1800	35 x 50	2.70	3.78	0.092	0.041	**EETHC2E182EA**
350 VDC Working, 400 VDC Surge						
120	22 x 25	0.75	1.05	1.382	0.622	**EETHC2V121BA**
150	22 x 30	0.82	1.15	1.105	0.497	**EETHC2V151BA**
180	22 x 30	0.90	1.26	0.921	0.414	**EETHC2V181BA**
	25 x 25	0.90	1.26	0.921	0.414	**EETHC2V181CA**
220	22 x 35	1.00	1.40	0.754	0.339	**EETHC2V221BA**
	25 x 30	1.00	1.40	0.754	0.339	**EETHC2V221CA**
270	25 x 35	1.10	1.54	0.614	0.276	**EETHC2V271CA**
	30 x 25	1.10	1.54	0.614	0.276	**EETHC2V271DA**

Cap. (μF)	Size (mm) D x L	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
350 VDC Working, 400 VDC Surge (continued)						
330	25 x 40	1.20	1.68	0.502	0.226	**EETHC2V331CA**
	30 x 30	1.20	1.68	0.502	0.226	**EETHC2V331DA**
390	25 x 45	1.30	1.82	0.425	0.191	**EETHC2V391CA**
	30 x 35	1.30	1.82	0.425	0.191	**EETHC2V391DA**
470	25 x 50	1.40	1.96	0.353	0.159	**EETHC2V471CA**
	35 x 30	1.40	1.96	0.353	0.159	**EETHC2V471EA**
560	30 x 45	1.50	2.10	0.296	0.133	**EETHC2V561DA**
	35 x 35	1.50	2.10	0.296	0.133	**EETHC2V561EA**
680	30 x 50	1.70	2.38	0.244	0.110	**EETHC2V681DA**
	35 x 40	1.70	2.38	0.244	0.110	**EETHC2V681EA**
820	35 x 45	1.90	2.66	0.202	0.091	**EETHC2V821EA**
400 VDC Working, 450 VDC Surge						
100	22 x 25	0.70	0.98	1.824	0.821	**EETHC2G101BA**
120	22 x 30	0.75	1.05	1.520	0.684	**EETHC2G121BA**
150	22 x 30	0.88	1.23	1.216	0.547	**EETHC2G151BA**
180	22 x 35	0.95	1.33	1.013	0.456	**EETHC2G181BA**
	25 x 30	0.95	1.33	1.013	0.456	**EETHC2G181CA**
220	22 x 45	1.10	1.54	0.829	0.373	**EETHC2G221BA**
	25 x 35	1.10	1.54	0.829	0.373	**EETHC2G221CA**
	30 x 25	1.10	1.54	0.829	0.373	**EETHC2G221DA**
270	22 x 50	1.22	1.71	0.675	0.304	**EETHC2G271BA**
	25 x 40	1.22	1.71	0.675	0.304	**EETHC2G271CA**
	30 x 30	1.22	1.71	0.675	0.304	**EETHC2G271DA**
	35 x 25	1.22	1.71	0.675	0.304	**EETHC2G271EA**
330	25 x 45	1.44	2.02	0.553	0.249	**EETHC2G331CA**
	30 x 35	1.44	2.02	0.553	0.249	**EETHC2G331DA**
	35 x 30	1.44	2.02	0.553	0.249	**EETHC2G331EA**
390	25 x 50	1.55	2.17	0.468	0.210	**EETHC2G391CA**
	30 x 40	1.55	2.17	0.468	0.210	**EETHC2G391DA**
	35 x 30	1.55	2.17	0.468	0.210	**EETHC2G391EA**
470	30 x 45	1.68	2.35	0.388	0.175	**EETHC2G471DA**
	35 x 35	1.68	2.35	0.388	0.175	**EETHC2G471EA**
560	30 x 50	1.90	2.66	0.326	0.147	**EETHC2G561DA**
	35 x 40	1.90	2.66	0.326	0.147	**EETHC2G561EA**
680	35 x 45	2.12	2.97	0.268	0.121	**EETHC2G681EA**
450 VDC Working, 500 VDC Surge						
100	22 x 30	0.64	0.90	1.824	0.821	**EETHC2W101BA**
	25 x 25	0.64	0.90	1.824	0.821	**EETHC2W101CA**
120	22 x 35	0.72	1.01	1.520	0.684	**EETHC2W121BA**
	25 x 30	0.72	1.01	1.520	0.684	**EETHC2W121CA**
150	22 x 40	0.79	1.11	1.216	0.547	**EETHC2W151BA**
	25 x 30	0.79	1.11	1.216	0.547	**EETHC2W151CA**
	30 x 25	0.79	1.11	1.216	0.547	**EETHC2W151DA**
180	22 x 45	0.87	1.22	1.013	0.456	**EETHC2W181BA**
	25 x 40	0.87	1.22	1.013	0.456	**EETHC2W181CA**
	30 x 30	0.87	1.22	1.013	0.456	**EETHC2W181DA**
220	25 x 45	1.00	1.40	0.829	0.373	**EETHC2W221CA**
	30 x 30	1.00	1.40	0.829	0.373	**EETHC2W221DA**
220	35 x 25	1.00	1.40	0.829	0.373	**EETHC2W221EA**
270	25 x 50	1.19	1.67	0.675	0.304	**EETHC2W271CA**
	30 x 40	1.19	1.67	0.675	0.304	**EETHC2W271DA**
	35 x 30	1.19	1.67	0.675	0.304	**EETHC2W271EA**
330	30 x 45	1.38	1.93	0.553	0.249	**EETHC2W331DA**
	35 x 35	1.38	1.93	0.553	0.249	**EETHC2W331EA**
390	30 x 50	1.55	2.17	0.468	0.210	**EETHC2W391DA**
	35 x 40	1.55	2.17	0.468	0.210	**EETHC2W391EA**
470	35 x 45	1.74	2.44	0.388	0.175	**EETHC2W471EA**
560	35 x 50	1.90	2.66	0.326	0.147	**EETHC2W561EA**