

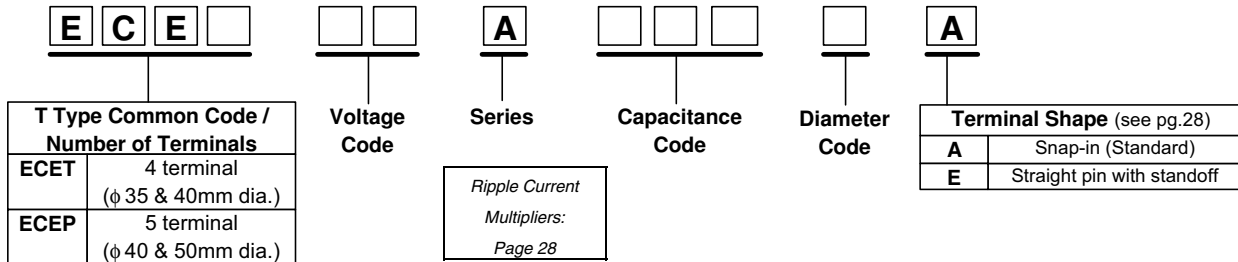
T-HA Series multi terminal snap-in

- **NEW** 50mm Diameter Sizes with Five P. C. Mount Terminals
- **NEW** lengths up to 105mm
- Endurance rating of 3000 hours at 105°C
- 4 or 5 terminal mounting provides stability and keyed polarity
- Can vent construction



Rated Working Voltage:	16 ~ 250 VDC	350 ~ 450 VDC
Operating Temperature:	-40 ~ +105°C	-25 ~ +105°C
Nominal Capacitance:	1000~ 250000µF (±20% tolerance)	330 ~ 2200µF (±20% tolerance)
Endurance:	3000 hours at +105°C with maximum specified ripple current (see page 4)	

Part Number System



T-HA Standard Ratings

Cap. (µF)	Size (mm) D x L	Max 105°C R.C. (A _{rms})		Max 20°C ESR (Ω)		Panasonic Part Number	Cap. (µF)	Size (mm) D x L	Max 105°C R.C. (A _{rms})		Max 20°C ESR (Ω)		Panasonic Part Number
		120 Hz	10k~100kHz	120Hz	20kHz				120Hz	10k~100kHz	120Hz	20kHz	
16 VDC Working, 20 VDC Surge							25 VDC Working, 32 VDC Surge						
39000	35 x 40	5.10	5.87	0.022	0.020	ECET1CA393EA	27000	35 x 40	4.80	5.52	0.018	0.017	ECET1EA273EA
56000	35 x 50	6.00	6.90	0.019	0.017	ECET1CA563EA	33000	35 x 50	5.50	6.33	0.018	0.016	ECET1EA333EA
68000	35 x 63	6.62	7.61	0.017	0.015	ECET1CA683EA	47000	35 x 63	6.56	7.54	0.017	0.015	ECET1EA473EA
100000	35 x 80	8.03	9.23	0.015	0.013	ECET1CA104EA	56000	35 x 80	7.25	8.34	0.015	0.013	ECET1EA563EA
120000	35 x 105	8.71	10.02	0.014	0.012	ECET1CA124EA	82000	35 x 105	8.58	9.87	0.013	0.012	ECET1EA823EA
47000	40 x 40	5.50	6.33	0.020	0.018	ECET1CA473FA	33000	40 x 40	5.50	6.33	0.018	0.016	ECET1EA333FA
68000	40 x 50	7.29	8.38	0.015	0.014	ECET1CA683FA	47000	40 x 50	6.47	7.44	0.015	0.014	ECET1EA473FA
82000	40 x 63	7.66	8.81	0.017	0.015	ECET1CA823FA	56000	40 x 63	7.17	8.25	0.014	0.013	ECET1EA563FA
120000	40 x 80	8.79	10.11	0.014	0.012	ECET1CA124FA	82000	40 x 80	8.68	9.98	0.013	0.012	ECET1EA823FA
150000	40 x 105	9.88	11.36	0.013	0.012	ECET1CA154FA	100000	40 x 105	9.76	11.22	0.012	0.010	ECET1EA104FA
120000	50 x 50	9.02	10.37	0.015	0.014	ECEP1CA124HA	82000	50 x 50	9.20	10.58	0.016	0.015	ECEP1EA823HA
150000	50 x 63	10.15	11.67	0.014	0.013	ECEP1CA154HA	100000	50 x 63	10.02	11.52	0.015	0.013	ECEP1EA104HA
180000	50 x 80	11.02	12.67	0.013	0.012	ECEP1CA184HA	120000	50 x 80	10.93	12.57	0.013	0.012	ECEP1EA124HA
220000	50 x 92	11.71	13.47	0.012	0.011	ECEP1CA224HA	150000	50 x 92	11.70	13.46	0.012	0.011	ECEP1EA154HA
250000	50 x 105	12.31	14.16	0.011	0.010	ECEP1CA254HA	180000	50 x 105	12.42	14.28	0.010	0.009	ECEP1EA184HA
35 VDC Working, 44 VDC Surge							50 VDC Working, 63 VDC Surge						
18000	35 x 40	4.30	4.95	0.028	0.021	ECET1VA183EA	10000	35 x 40	4.00	4.60	0.033	0.025	ECET1HA103EA
22000	35 x 50	5.00	5.75	0.023	0.017	ECET1VA223EA	15000	35 x 50	4.80	5.52	0.022	0.018	ECET1HA153EA
27000	35 x 63	5.53	6.36	0.025	0.018	ECET1VA273EA	18000	35 x 63	5.27	6.06	0.020	0.016	ECET1HA183EA
39000	35 x 80	6.52	7.50	0.019	0.014	ECET1VA393EA	27000	35 x 80	6.16	7.08	0.015	0.012	ECET1HA273EA
47000	35 x 105	8.07	9.28	0.017	0.013	ECET1VA473EA	33000	35 x 105	7.23	8.31	0.013	0.010	ECET1HA333EA
22000	40 x 40	5.00	5.75	0.023	0.017	ECET1VA223FA	15000	40 x 40	4.80	5.52	0.022	0.018	ECET1HA153FA
27000	40 x 50	5.44	6.26	0.020	0.015	ECET1VA273FA	22000	40 x 50	5.15	5.92	0.016	0.013	ECET1HA223FA
33000	40 x 63	6.61	7.60	0.019	0.014	ECET1VA333FA	27000	40 x 63	6.05	6.96	0.015	0.012	ECET1HA273FA
47000	40 x 80	7.79	8.96	0.018	0.013	ECET1VA473FA	39000	40 x 80	7.55	8.68	0.014	0.011	ECET1HA393FA
68000	40 x 105	9.27	10.66	0.016	0.012	ECET1VA683FA	47000	40 x 105	8.18	9.41	0.012	0.010	ECET1HA473FA
47000	50 x 50	8.25	9.49	0.021	0.016	ECEP1VA473HA	33000	50 x 50	7.75	8.91	0.018	0.014	ECEP1HA333HA
56000	50 x 63	9.07	10.43	0.019	0.014	ECEP1VA563HA	39000	50 x 63	8.40	9.66	0.016	0.013	ECEP1HA393HA
68000	50 x 80	10.07	11.58	0.017	0.013	ECEP1VA683HA	47000	50 x 80	9.19	10.57	0.014	0.011	ECEP1HA473HA
82000	50 x 92	10.89	12.52	0.015	0.011	ECEP1VA823HA	56000	50 x 92	9.79	11.26	0.012	0.009	ECEP1HA563HA
100000	50 x 105	11.75	13.51	0.013	0.010	ECEP1VA104HA	68000	50 x 105	10.42	11.98	0.011	0.009	ECEP1HA683HA

