

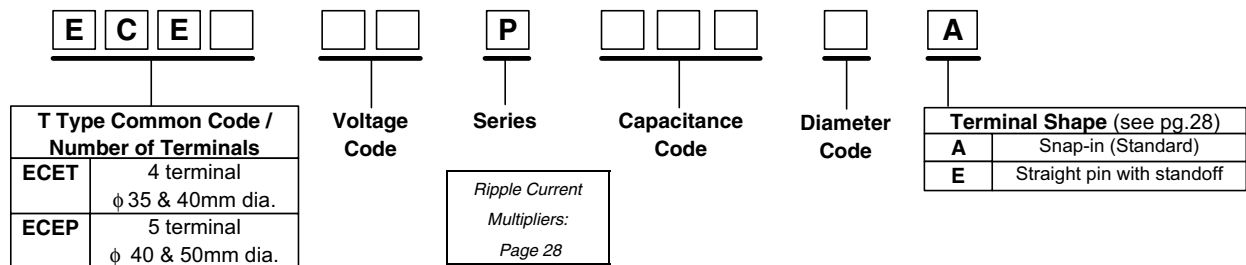
T-UP Series multi terminal snap-in

- **NEW** 50mm diameter sizes with five P. C. mount terminals
- **NEW** lengths up to 105mm
- Endurance rating of 3000 hours at 85°C
- 4 or 5 terminal mounting provides stability and keyed polarity
- Can vent construction



Rated Working Voltage:	16 ~ 250 VDC	350 ~ 500 VDC
Operating Temperature:	-40 ~ +85°C	-25 ~ +85°C
Nominal Capacitance:	1200 ~ 270000µF (±20% tolerance)	220 ~ 2700µF (±20% tolerance)
Endurance:	3000 hours at +85°C with maximum specified ripple current (see page 4)	

Part Number System



T-UP Standard Ratings

Cap. (µF)	Size (mm) D x L	Max 85°C R.C. (A _{rms})		Max 20°C E.S.R. (Ω)		Panasonic Part Number	Cap. (µF)	Size (mm) D x L	Max 85°C R.C. (A _{rms})		Max 20°C E.S.R. (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							
47000	35 x 40	7.47	8.59	0.021	0.019	ECET1CP473EA	33000	35 x 40	6.84	7.87	0.019	0.015	ECET1EP333EA
68000	35 x 50	9.05	10.41	0.018	0.017	ECET1CP683EA	47000	35 x 50	8.00	9.20	0.014	0.012	ECET1EP473EA
82000	35 x 63	10.02	11.52	0.016	0.015	ECET1CP823EA	56000	35 x 63	8.85	10.18	0.015	0.013	ECET1EP563EA
100000	35 x 80	11.00	12.65	0.015	0.014	ECET1CP104EA	68000	35 x 80	10.43	11.99	0.013	0.011	ECET1EP683EA
120000	35 x 105	12.81	14.73	0.014	0.013	ECET1CP124EA	100000	35 x 105	11.97	13.77	0.010	0.008	ECET1EP104EA
56000	40 x 40	9.05	10.41	0.022	0.021	ECET1CP563FA	39000	40 x 40	8.00	9.20	0.020	0.018	ECET1EP393FA
82000	40 x 50	10.29	11.83	0.016	0.015	ECET1CP823FA	56000	40 x 50	8.96	10.30	0.016	0.015	ECET1EP563FA
100000	40 x 63	11.36	13.06	0.018	0.017	ECET1CP104FA	68000	40 x 63	10.25	11.79	0.017	0.015	ECET1EP683FA
120000	40 x 80	12.42	14.28	0.017	0.016	ECET1CP124FA	100000	40 x 80	12.08	13.89	0.012	0.011	ECET1EP104FA
180000	40 x 105	14.85	17.08	0.013	0.012	ECET1CP184FA	150000	40 x 105	14.07	16.18	0.011	0.010	ECET1EP154FA
120000	50 x 50	13.17	15.15	0.014	0.013	ECEP1CP124HA	82000	50 x 50	12.29	14.13	0.016	0.015	ECEP1EP823HA
150000	50 x 63	14.40	16.56	0.012	0.011	ECEP1CP154HA	100000	50 x 63	13.45	15.47	0.014	0.013	ECEP1EP104HA
180000	50 x 80	15.69	18.04	0.011	0.010	ECEP1CP184HA	120000	50 x 80	15.29	17.58	0.012	0.011	ECEP1EP124HA
220000	50 x 92	16.73	19.24	0.010	0.009	ECEP1CP224HA	150000	50 x 92	16.01	18.41	0.011	0.010	ECEP1EP154HA
270000	50 x 105	17.79	20.46	0.009	0.008	ECEP1CP274HA	180000	50 x 105	16.89	19.42	0.010	0.009	ECEP1EP184HA
35 VDC Working, 44 VDC Surge						50 VDC Working, 63 VDC Surge							
22000	35 x 40	6.10	7.02	0.026	0.020	ECET1VP223EA	15000	35 x 40	6.44	7.41	0.028	0.021	ECET1HP153EA
33000	35 x 50	7.15	8.22	0.018	0.014	ECET1VP333EA	22000	35 x 50	7.57	8.71	0.021	0.017	ECET1HP223EA
39000	35 x 63	7.94	9.13	0.015	0.012	ECET1VP393EA	27000	35 x 63	8.31	9.56	0.018	0.015	ECET1HP273EA
47000	35 x 80	9.53	10.96	0.014	0.011	ECET1VP473EA	33000	35 x 80	9.23	10.61	0.015	0.012	ECET1HP333EA
68000	35 x 105	10.62	12.21	0.010	0.008	ECET1VP683EA	47000	35 x 105	10.27	11.81	0.014	0.011	ECET1HP473EA
27000	40 x 40	6.84	7.87	0.021	0.017	ECET1VP273FA	18000	40 x 40	6.94	7.98	0.023	0.017	ECET1HP183FA
39000	40 x 50	7.98	9.18	0.017	0.014	ECET1VP393FA	27000	40 x 50	8.12	9.34	0.018	0.015	ECET1HP273FA
47000	40 x 63	9.58	11.02	0.016	0.013	ECET1VP473FA	33000	40 x 63	9.10	10.47	0.018	0.014	ECET1HP333FA
56000	40 x 80	10.30	11.85	0.015	0.012	ECET1VP563FA	39000	40 x 80	10.12	11.64	0.015	0.012	ECET1HP393FA
82000	40 x 105	12.02	13.82	0.012	0.009	ECET1VP823FA	56000	40 x 105	11.47	13.19	0.012	0.009	ECET1HP563FA
56000	50 x 50	10.94	12.58	0.015	0.012	ECEP1VP563HA	33000	50 x 50	10.48	12.05	0.018	0.014	ECEP1HP333HA
68000	50 x 63	11.93	13.72	0.013	0.011	ECEP1VP683HA	47000	50 x 63	11.54	13.27	0.013	0.010	ECEP1HP473HA
82000	50 x 80	13.06	15.02	0.012	0.010	ECEP1VP823HA	56000	50 x 80	12.46	14.33	0.012	0.009	ECEP1HP563HA
100000	50 x 92	13.97	16.07	0.011	0.009	ECEP1VP104HA	68000	50 x 92	13.17	15.15	0.011	0.009	ECEP1HP683HA
120000	50 x 105	14.86	17.09	0.010	0.008	ECEP1VP124HA	82000	50 x 105	13.87	15.95	0.011	0.008	ECEP1HP823HA

T-UP Standard Ratings (continued)

Cap. (μ F)	Size (mm) D x L	Max. 85°C R.C. (A_{rms})		Max. 20°C E.S.R. (Ω)		Panasonic Part Number
		120 Hz	10k~100kHz	120Hz	20kHz	
500 VDC Working, 550 VDC Surge						
270	35 x 40	1.76	2.46	0.614	0.276	ECET2HP271EA
390	35 x 50	2.22	3.11	0.425	0.234	ECET2HP391EA
470	35 x 63	2.58	3.61	0.353	0.194	ECET2HP471EA
680	35 x 80	3.21	4.49	0.244	0.134	ECET2HP681EA
820	35 x 105	3.97	5.56	0.202	0.111	ECET2HP821EA
330	40 x 40	2.16	3.02	0.502	0.276	ECET2HP331FA
470	40 x 50	2.70	3.78	0.353	0.194	ECET2HP471FA
560	40 x 63	3.11	4.35	0.326	0.179	ECET2HP561FA
820	40 x 80	3.88	5.43	0.222	0.122	ECET2HP821FA
1200	40 x 105	5.90	8.26	0.152	0.084	ECET2HP122FA
560	50 x 50	3.52	4.05	0.355	0.195	ECEP2HP561HA
680	50 x 63	4.07	5.70	0.293	0.161	ECEP2HP681HA
1000	50 x 80	5.05	7.07	0.199	0.109	ECEP2HP102HA
1200	50 x 92	5.74	8.04	0.166	0.091	ECEP2HP122HA
1500	50 x 105	6.65	9.31	0.144	0.079	ECEP2HP152HA