

TS-EE Series 105°C, 3000 hours

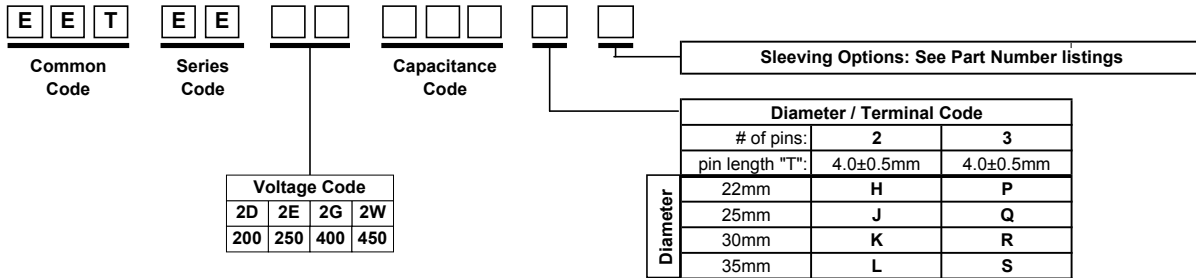
- Highest ripple current capability for demanding inverter applications
- Suitable for high ambient temperatures and continuous operation
- RoHS compliant PVC and RoHS compliant PET sleeve options



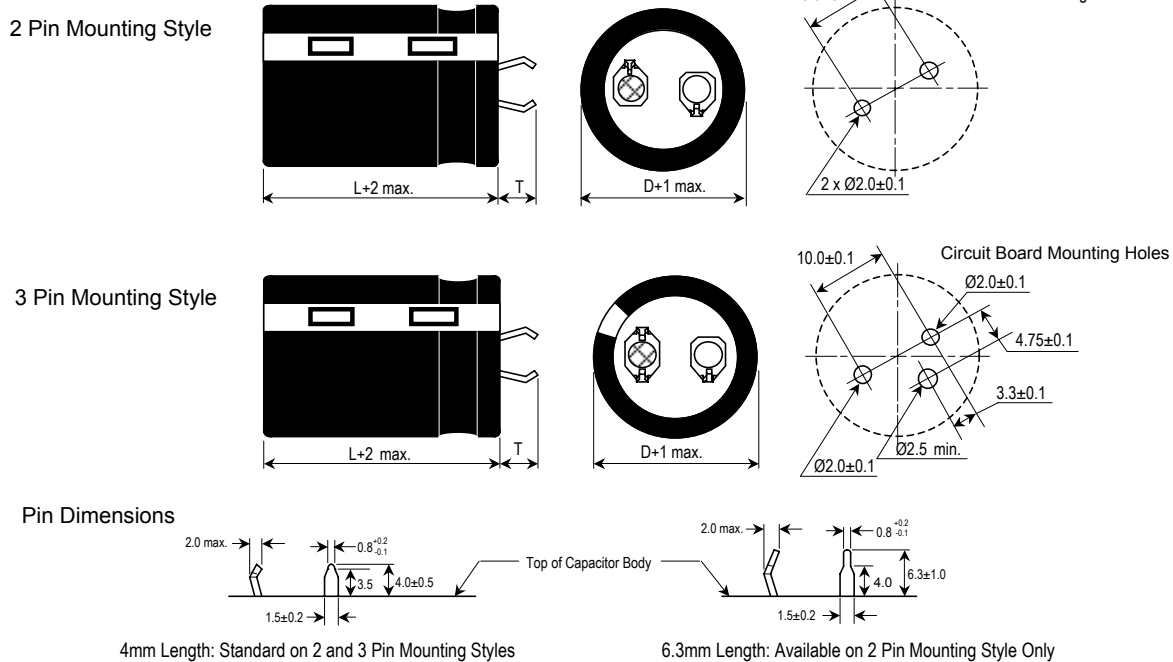
Rated Working Voltage:	200 ~ 250 VDC	400 ~ 450 VDC	
Operating Temperature:	-40 ~ +105°C	-25 ~ +105°C	
Nominal Capacitance:	220~1800 µF	75 ~ 560µF	
Capacitance Tolerance:	± 20%		
Dissipation Factor: (120 Hz, +20°C)	WV (V):	200~400 450	
	D.F.(%):	15 max. 20 max.	
Leakage Current:	3√CV (µA) max. after 5 minutes; C = Capacitance in µF, V = WV		
Ripple Current Multipliers:	Frequency(Hz):	50 60 100~120 500 1k 10k	
	200~250WV:	0.75 0.80 1.0 1.20 1.25 1.30	
	400~450WV:	0.75 0.80 1.0 1.20 1.25 1.40	
		Ripple Current Ambient Temperature Factors*	
		Temperature (°C):	105°C 85°C ≤70°C
		Multiplier:	1.0 1.42 1.6
Endurance:	3000 hours at +105°C with maximum specified ripple current (see page4)		

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

Part Number System



Dimensions in millimeters



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TS-EE Standard Ratings

Part numbers shown with 2 pins and 4.0mm length terminals

Cap. (μ F)	Size (mm) D x L	Max 105°C R.C. (A_{rms})		20°C ESR (Ω , max.)		Panasonic Part Number (By Sleeve Style)	
		120Hz	10kHz~	120Hz	20kHz	PVC with Top Plate	PET without Top Plate
200 VDC Working, 250 VDC Surge							
300	22 x 25	1.70	2.21	0.829	0.592	EETEE2D301HA	EETEE2D301HJ
390	22 x 30	2.17	2.82	0.637	0.455	EETEE2D391HA	EETEE2D391HJ
590	22 x 40	2.30	2.99	0.421	0.300	EETEE2D591HA	EETEE2D591HJ
	25 x 30	2.30	2.99	0.421	0.300	EETEE2D591JA	EETEE2D591JJ
700	22 x 45	2.65	3.45	0.355	0.254	EETEE2D701HA	EETEE2D701HJ
	25 x 35	2.65	3.45	0.355	0.254	EETEE2D701JA	EETEE2D701JJ
590	30 x 25	3.08	4.00	0.421	0.300	EETEE2D591KA	EETEE2D591KJ
800	22 x 50	3.08	4.00	0.311	0.222	EETEE2D801HA	EETEE2D801HJ
	25 x 40	3.08	4.00	0.311	0.222	EETEE2D801JA	EETEE2D801JJ
	30 x 30	3.48	4.52	0.311	0.222	EETEE2D801KA	EETEE2D801KJ
1000	35 x 25	3.48	4.52	0.311	0.222	EETEE2D801LA	EETEE2D801LJ
	25 x 50	3.48	4.52	0.249	0.178	EETEE2D102JA	EETEE2D102JJ
	30 x 35	3.98	5.17	0.249	0.178	EETEE2D102KA	EETEE2D102KJ
1200	35 x 30	4.20	5.46	0.249	0.178	EETEE2D102LA	EETEE2D102LJ
	30 x 40	4.20	5.46	0.209	0.149	EETEE2D122KA	EETEE2D122KJ
1300	30 x 45	4.62	6.01	0.191	0.136	EETEE2D132KA	EETEE2D132KJ
1500	35 x 40	4.62	6.01	0.166	0.118	EETEE2D152LA	EETEE2D152LJ
	30 x 50	5.22	6.79	0.166	0.118	EETEE2D152KA	EETEE2D152KJ
1800	35 x 45	5.22	6.79	0.138	0.099	EETEE2D182LA	EETEE2D182LJ
250 VDC Working, 300 VDC Surge							
220	22 x 25	1.43	1.86	1.130	0.807	EETEE2E221HA	EETEE2E221HJ
300	22 x 30	1.56	2.03	0.829	0.592	EETEE2E301HA	EETEE2E301HJ
	25 x 25	1.70	2.21	0.829	0.592	EETEE2E301JA	EETEE2E301JJ
370	22 x 35	1.70	2.21	0.672	0.480	EETEE2E371HA	EETEE2E371HJ
420	22 x 40	1.82	2.37	0.592	0.423	EETEE2E421HA	EETEE2E421HJ
	25 x 30	1.82	2.37	0.592	0.423	EETEE2E421JA	EETEE2E421JJ
520	22 x 45	2.00	2.60	0.478	0.342	EETEE2E521HA	EETEE2E521HJ
	25 x 35	2.00	2.60	0.478	0.342	EETEE2E521JA	EETEE2E521JJ
420	30 x 25	2.20	2.86	0.592	0.423	EETEE2E421KA	EETEE2E421KJ
	590	22 x 50	2.30	2.99	0.421	0.301	EETEE2E591HA
590	25 x 40	2.30	2.99	0.421	0.301	EETEE2E591JA	EETEE2E591JJ
	30 x 30	2.50	3.25	0.421	0.301	EETEE2E591KA	EETEE2E591KJ
	35 x 25	2.50	3.25	0.421	0.301	EETEE2E591LA	EETEE2E591LJ
730	25 x 45	2.70	3.51	0.341	0.243	EETEE2E731JA	EETEE2E731JJ
	30 x 35	3.00	3.90	0.341	0.243	EETEE2E731KA	EETEE2E731KJ
	35 x 30	3.00	3.90	0.341	0.243	EETEE2E731LA	EETEE2E731LJ
860	30 x 40	3.30	4.29	0.289	0.207	EETEE2E861KA	EETEE2E861KJ
1000	30 x 45	3.45	4.49	0.249	0.178	EETEE2E102KA	EETEE2E102KJ
1300	35 x 45	3.75	4.88	0.191	0.137	EETEE2E132LA	EETEE2E132LJ
1500	35 x 50	4.05	5.27	0.166	0.118	EETEE2E152LA	EETEE2E152LJ
400 VDC Working, 450 VDC Surge							
100	22 x 25	0.95	1.33	2.487	1.776	EETEE2G101HA	EETEE2G101HJ
120	22 x 30	1.22	1.71	2.072	1.480	EETEE2G121HA	EETEE2G121HJ
150	22 x 35	1.33	1.86	1.658	1.184	EETEE2G151HA	EETEE2G151HJ
180	25 x 30	1.33	1.86	1.382	0.987	EETEE2G181JA	EETEE2G181JJ
220	22 x 45	1.55	2.17	1.130	0.807	EETEE2G221HA	EETEE2G221HJ
	25 x 35	1.55	2.17	1.130	0.807	EETEE2G221JA	EETEE2G221JJ
180	30 x 25	1.68	2.35	1.382	0.987	EETEE2G181KA	EETEE2G181KJ
270	22 x 50	1.68	2.35	0.921	0.658	EETEE2G271HA	EETEE2G271HJ
	25 x 40	1.68	2.35	0.921	0.658	EETEE2G271JA	EETEE2G271JJ
220	30 x 30	1.79	2.51	1.130	0.807	EETEE2G221KA	EETEE2G221KJ
250	35 x 25	1.79	2.51	0.995	0.711	EETEE2G251LA	EETEE2G251LJ
320	25 x 45	1.90	2.66	0.777	0.555	EETEE2G321JA	EETEE2G321JJ
270	30 x 35	2.12	2.97	0.921	0.658	EETEE2G271KA	EETEE2G271KJ
370	25 x 50	2.12	2.97	0.672	0.480	EETEE2G371JA	EETEE2G371JJ
330	30 x 40	2.33	3.26	0.754	0.538	EETEE2G331KA	EETEE2G331KJ
	35 x 30	2.33	3.26	0.754	0.538	EETEE2G331LA	EETEE2G331LJ
390	30 x 45	2.52	3.53	0.638	0.455	EETEE2G391KA	EETEE2G391KJ
	35 x 35	2.52	3.53	0.638	0.455	EETEE2G391LA	EETEE2G391LJ
470	30 x 50	2.85	3.99	0.529	0.378	EETEE2G471KA	EETEE2G471KJ
	35 x 40	2.85	3.99	0.529	0.378	EETEE2G471LA	EETEE2G471LJ
560	35 x 45	3.18	4.45	0.444	0.317	EETEE2G561LA	EETEE2G561LJ

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TS-EE Standard Ratings (continued)

Part numbers shown with 2 pins and 4.0mm length terminals

Cap. (μ F)	Size (mm) D x L	Max 105°C R.C. (A_{rms})		20°C ESR (Ω , max.)		Panasonic Part Number (By Slewing Style)	
		120Hz	10kHz~	120Hz	20kHz	PVC with Top Plate	PET without Top Plate
450 VDC Working, 500 VDC Surge							
75	22 x 25	0.83	1.16	4.421	3.158	EETEE2W750HA	EETEE2W750HJ
100	22 x 30	0.95	1.33	3.316	2.368	EETEE2W101HA	EETEE2W101HJ
	25 x 25	0.95	1.33	3.316	2.368	EETEE2W101JA	EETEE2W101JJ
120	22 x 35	1.15	1.61	2.763	1.974	EETEE2W121HA	EETEE2W121HJ
150	22 x 40	1.22	1.71	2.210	1.579	EETEE2W151HA	EETEE2W151HJ
120	25 x 30	1.22	1.71	2.763	1.974	EETEE2W121JA	EETEE2W121JJ
	30 x 25	1.22	1.71	2.763	1.974	EETEE2W121KA	EETEE2W121KJ
180	22 x 45	1.35	1.89	1.842	1.316	EETEE2W181HA	EETEE2W181HJ
	25 x 40	1.35	1.89	1.842	1.316	EETEE2W181JA	EETEE2W181JJ
220	25 x 45	1.55	2.17	1.507	1.077	EETEE2W221JA	EETEE2W221JJ
180	30 x 30	1.60	2.24	1.842	1.316	EETEE2W181KA	EETEE2W181KJ
	35 x 25	1.60	2.24	1.842	1.316	EETEE2W181LA	EETEE2W181LJ
270	25 x 50	1.74	2.44	1.228	0.877	EETEE2W271JA	EETEE2W271JJ
	30 x 40	1.90	2.66	1.228	0.877	EETEE2W271KA	EETEE2W271KJ
250	35 x 30	1.90	2.66	1.228	0.877	EETEE2W251LA	EETEE2W251LJ
330	30 x 45	2.20	3.08	1.005	0.718	EETEE2W331KA	EETEE2W331KJ
300	35 x 35	2.20	3.08	1.105	0.789	EETEE2W301LA	EETEE2W301LJ
390	30 x 50	2.40	3.36	0.850	0.607	EETEE2W391KA	EETEE2W391KJ
330	35 x 40	2.40	3.36	1.005	0.718	EETEE2W331LA	EETEE2W331LJ
390	35 x 45	2.61	3.65	0.850	0.607	EETEE2W391LA	EETEE2W391LJ
470	35 x 50	2.85	3.99	0.705	0.504	EETEE2W471LA	EETEE2W471LJ