TS-ED Series two terminal snap-in



- ***NEW PRODUCT***
- Very high ripple current capability for demanding inverter applications
- 3000 hour life at 105ºC
- Can vent construction

Rated Working Voltage:	200 ~ 250 VDC	400 ~ 450 VDC
Operating Temperature:	-40 ~ +105ºC	-25 ~ +105ºC
Nominal Capacitance:	220~2200 µF	56 ~ 560µF
Capacitance Tolerance:	± 20%	
Dissipation Factor:	15% maximum (120Hz, +20°C)	
Endurance:	3000 hours at +105ºC with maximum specified ripple current (see page 4)	

Part Number System

E E T	E D	□ □	□ □ □	□	□
Common Code/ Terminal Type	Series Code	Voltage Code	Capacitance Code	Case Dia. / Terminal	Top Vinyl Plate

Case Dia.	Terminal Length 6.3mm	Terminal Length 4.0mm
22mm	B	H
25mm	C	J
30mm	D	K
35mm	E	L

A	With plate
	Without plate

Ripple Current Multipliers: Page 7

TS-ED Standard Ratings (part numbers shown with standard 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}) 10k~100kHz	20°C ESR (Ω, max.) 120Hz	20°C ESR (Ω, max.) 20kHz	Panasonic Part Number
200 VDC Working, 250 VDC Surge						
270	22 x 25	1.42	2.03	0.553	0.249	**EETED2D271BA**
330	22 x 30	1.56	2.23	0.452	0.203	**EETED2D331BA**
390	22 x 30	1.71	2.44	0.383	0.172	**EETED2D391BA**
470	22 x 35	1.85	2.64	0.317	0.143	**EETED2D471BA**
560	22 x 40	2.14	3.05	0.266	0.120	**EETED2D561BA**
680	22 x 45	2.42	3.45	0.219	0.099	**EETED2D681BA**
820	22 x 50	2.63	3.76	0.182	0.082	**EETED2D821BA**
390	25 x 25	1.71	2.44	0.383	0.172	**EETED2D391CA**
470	25 x 30	1.85	2.64	0.317	0.143	**EETED2D471CA**
560	25 x 30	2.14	3.05	0.266	0.120	**EETED2D561CA**
680	25 x 35	2.42	3.45	0.219	0.099	**EETED2D681CA**
820	25 x 40	2.63	3.76	0.182	0.082	**EETED2D821CA**
1000	25 x 45	2.84	4.06	0.149	0.067	**EETED2D102CA**
560	30 x 25	2.14	3.05	0.266	0.120	**EETED2D561DA**
680	30 x 30	2.42	3.45	0.219	0.099	**EETED2D681DA**
820	30 x 30	2.63	3.76	0.182	0.082	**EETED2D821DA**
1000	30 x 35	2.84	4.06	0.149	0.067	**EETED2D102DA**
1200	30 x 40	3.13	4.47	0.124	0.062	**EETED2D122DA**
1500	30 x 50	3.56	5.08	0.099	0.050	**EETED2D152DA**
820	35 x 25	2.63	3.76	0.182	0.091	**EETED2D821EA**
1000	35 x 30	2.84	4.06	0.149	0.067	**EETED2D102EA**
1200	35 x 35	3.13	4.47	0.124	0.062	**EETED2D122EA**
1500	35 x 40	3.56	5.08	0.099	0.050	**EETED2D152EA**
1800	35 x 45	3.84	5.48	0.083	0.041	**EETED2D182EA**
2200	35 x 50	4.12	5.89	0.068	0.041	**EETED2D222EA**
250 VDC Working, 300 VDC Surge						
220	22 x 30	1.28	1.83	0.678	0.305	**EETED2E221BA**
270	22 x 30	1.42	2.03	0.553	0.249	**EETED2E271BA**
330	22 x 35	1.64	2.34	0.452	0.203	**EETED2E331BA**
390	22 x 40	1.72	2.45	0.383	0.172	**EETED2E391BA**
470	22 x 45	1.85	2.64	0.317	0.143	**EETED2E471BA**
270	25 x 25	1.42	2.03	0.553	0.249	**EETED2E271CA**
330	25 x 30	1.56	2.23	0.452	0.203	**EETED2E331CA**
390	25 x 30	1.71	2.44	0.383	0.172	**EETED2E391CA**
470	25 x 35	1.85	2.64	0.317	0.143	**EETED2E471CA**
560	25 x 40	2.14	3.05	0.266	0.120	**EETED2E561CA**
680	25 x 45	2.42	3.45	0.219	0.099	**EETED2E681CA**
390	30 x 25	1.71	2.44	0.383	0.172	**EETED2E391DA**
470	30 x 30	1.85	2.64	0.317	0.143	**EETED2E471DA**
560	30 x 30	2.14	3.05	0.266	0.120	**EETED2E561DA**
680	30 x 35	2.42	3.45	0.219	0.099	**EETED2E681DA**
820	30 x 40	2.63	3.76	0.182	0.082	**EETED2E821DA**
1000	30 x 50	2.84	4.06	0.149	0.067	**EETED2E102DA**
560	35 x 25	2.14	3.05	0.266	0.133	**EETED2E561EA**
680	35 x 30	2.42	3.45	0.219	0.110	**EETED2E681EA**
820	35 x 35	2.63	3.76	0.182	0.091	**EETED2E821EA**
1000	35 x 40	2.84	4.06	0.149	0.067	**EETED2E102EA**
1200	35 x 45	3.13	4.47	0.124	0.062	**EETED2E122EA**
1500	35 x 50	3.56	5.08	0.099	0.050	**EETED2E152EA**

TS-ED 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}) 10k~100kHz	20°C ESR (Ω, max.) 120Hz	20°C ESR (Ω, max.) 20kHz	Panasonic Part Number
400 VDC Working, 450 VDC Surge						
82	22 x 25	0.80	1.14	1.617	0.728	**EETED2G820BA**
100	22 x 30	0.91	1.30	1.326	0.597	**EETED2G101BA**
120	22 x 35	1.02	1.46	1.105	0.497	**EETED2G121BA**
150	22 x 40	1.07	1.53	0.884	0.398	**EETED2G151BA**
180	22 x 45	1.12	1.60	0.737	0.332	**EETED2G181BA**
220	22 x 50	1.42	2.03	0.603	0.271	**EETED2G221BA**
100	25 x 25	0.91	1.30	1.326	0.597	**EETED2G101CA**
120	25 x 30	1.02	1.46	1.105	0.497	**EETED2G121CA**
150	25 x 30	1.07	1.53	0.884	0.398	**EETED2G151CA**
180	25 x 35	1.12	1.60	0.737	0.332	**EETED2G181CA**
220	25 x 40	1.42	2.03	0.603	0.271	**EETED2G221CA**
270	25 x 45	1.56	2.23	0.491	0.221	**EETED2G271CA**
150	30 x 25	1.07	1.53	0.884	0.398	**EETED2G151DA**
180	30 x 30	1.12	1.60	0.737	0.332	**EETED2G181DA**
220	30 x 30	1.42	2.03	0.603	0.271	**EETED2G221DA**
270	30 x 35	1.56	2.23	0.491	0.221	**EETED2G271DA**
330	30 x 40	1.71	2.44	0.402	0.181	**EETED2G331DA**
390	30 x 45	1.85	2.64	0.340	0.153	**EETED2G391DA**
220	35 x 25	1.42	2.03	0.603	0.271	**EETED2G221EA**
270	35 x 30	1.56	2.23	0.491	0.221	**EETED2G271EA**
330	35 x 30	1.71	2.44	0.402	0.181	**EETED2G331EA**
390	35 x 35	1.85	2.64	0.340	0.153	**EETED2G391EA**
470	35 x 40	2.01	2.87	0.282	0.127	**EETED2G471EA**
560	35 x 45	2.35	3.36	0.237	0.107	**EETED2G561EA**

Cap. (μF)	Size (mm) D x L	Max 105°C R.C. (A_{rms}) 120Hz	Max 105°C R.C. (A_{rms}) 10k~100kHz	20°C ESR (Ω, max.) 120Hz	20°C ESR (Ω, max.) 20kHz	Panasonic Part Number
450 VDC Working, 500 VDC Surge						
56	22 x 25	0.67	0.95	2.368	1.066	**EETED2W560BA**
68	22 x 30	0.76	1.08	1.950	0.878	**EETED2W680BA**
82	22 x 30	0.80	1.14	1.617	0.728	**EETED2W820BA**
100	22 x 35	0.91	1.30	1.326	0.597	**EETED2W101BA**
120	22 x 40	1.02	1.46	1.105	0.497	**EETED2W121BA**
150	22 x 45	1.07	1.53	0.884	0.398	**EETED2W151BA**
180	22 x 50	1.12	1.60	0.737	0.332	**EETED2W181BA**
68	25 x 25	0.76	1.08	1.950	0.878	**EETED2W680CA**
82	25 x 25	0.80	1.14	1.617	0.728	**EETED2W820CA**
100	25 x 30	0.91	1.30	1.326	0.597	**EETED2W101CA**
120	25 x 35	1.02	1.46	1.105	0.497	**EETED2W121CA**
150	25 x 40	1.07	1.53	0.884	0.398	**EETED2W151CA**
180	25 x 40	1.12	1.60	0.737	0.332	**EETED2W181CA**
220	25 x 45	1.42	2.03	0.603	0.271	**EETED2W221CA**
120	30 x 25	1.02	1.46	1.105	0.497	**EETED2W121DA**
150	30 x 30	1.07	1.53	0.884	0.398	**EETED2W151DA**
180	30 x 30	1.12	1.60	0.737	0.332	**EETED2W181DA**
220	30 x 35	1.42	2.03	0.603	0.271	**EETED2W221DA**
270	30 x 40	1.72	2.45	0.491	0.221	**EETED2W271DA**
330	30 x 50	1.85	2.64	0.402	0.181	**EETED2W331DA**
150	35 x 25	1.07	1.53	0.884	0.398	**EETED2W151EA**
180	35 x 25	1.12	1.60	0.737	0.332	**EETED2W181EA**
220	35 x 30	1.42	2.03	0.603	0.271	**EETED2W221EA**
270	35 x 35	1.72	2.45	0.491	0.221	**EETED2W271EA**
330	35 x 40	1.85	2.64	0.402	0.181	**EETED2W331EA**
390	35 x 40	1.97	2.82	0.340	0.153	**EETED2W391EA**
470	35 x 50	2.47	3.53	0.282	0.127	**EETED2W471EA**

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.