SANYO

PE-EF Series

Snap-in Type
Guaranteed for 5000 hours at 105℃

Specifications

Items		Specifications					
Rated voltage (V)		200	220	250	400	420	450
Category temperature range (℃)		−25 to +105					
Capacitance tolerance (%)		±20 (120Hz/20℃)					
Tangent of loss angle (tanδ) (MAX.) (120Hz/20℃)		0.20					
Leakage current (L.C.) (μA/after 5min.) (MAX.)		$3\sqrt{CV}$					
Endurance 105℃ 5000hrs. rated voltage applied	△C/C	Within ±20% of the initial value					
	tan δ	≤ Twice the initial standard					
	L.C.	≤ The initial standard					

Size List, Maximum Permissible Ripple Current

V / μF \ φD	200								220							
	φ22		φ25		φ30		φ35		φ22		φ25		φ30		φ35	
270	22×25	1.09							22×25	1.04						
330	22×30	1.31							22×30	1.26						
390	22×30	1.32	25×25	1.27					22×35	1.47	25×25	1.21				
470	22×35	1.54	25×30	1.54					22×40	1.64	25×30	1.47				
560	22×40	1.75	25×30	1.54					22×45	1.86	25×35	1.71	30×25	1.41		
680	22×45	1.96	25×35	1.79	30×25	1.46			22×50	2.05	25×40	1.94	30×30	1.71	35×25	1.54
820	22×50	2.15	25×40	2.03	30×30	1.77	35×25	1.59			25×45	2.16	30×35	1.99	35×30	1.89
1000			25×45	2.26	30×35	2.06	35×30	1.93			25×50	2.37	30×40	2.26	35×35	2.15
1200					30×40	2.34	35×35	2.22					30×45	2.51	35×40	2.48
1500					30×45	2.60	35×40	2.56					30×50	2.75	35×40	2.50
1800							35×45	2.85							35×50	3.04
2200							35×50	3.14								

V / μF \ φD	250							
	φ22		φ25		φ30		φ35	
220	22×25	0.97						
270	22×30	1.18						
330	22×35	1.37	25×25	1.14				
390	22×40	1.56	25×30	1.38				
470	22×45	1.74	25×35	1.61	30×25	1.34		
560	22×50	1.92	25×40	1.83	30×30	1.63	35×25	1.48
680			25×45	2.04	30×35	1.90	35×30	1.80
820			25×50	2.24	30×40	2.15	35×30	1.81
1000					30×45	2.39	35×35	2.38
1200					30×50	2.62	35×40	2.39
1500							35×50	2.92

Ripple Current (A r.m.s./120Hz・105℃)

Case Size;φD×L (mm)

PE-EF Series

μF \ V / φD	400								420							
	φ22		φ25		φ30		φ35		φ22		φ25		φ30		φ35	
82	22×25	0.64							22×25	0.61						
100	22×30	0.74							22×30	0.74						
120	22×30	0.79	25×25	0.79					22×35	0.86	25×25	0.75				
150	22×35	0.92	25×30	0.95					22×40	0.98	25×30	0.90				
180	22×40	1.05	25×35	1.10	30×25	0.97			22×45	1.09	25×35	1.05	30×25	0.93		
220	22×50	1.28	25×35	1.12	30×30	1.17	35×25	1.10	22×50	1.21	25×40	1.19	30×30	1.12	35×25	1.05
270			25×45	1.40	30×35	1.36	35×30	1.33			25×45	1.34	30×35	1.30	35×30	1.27
330			25×50	1.55	30×40	1.55	35×30	1.35					30×40	1.47	35×35	1.45
390					30×45	1.72	35×35	1.53					30×45	1.64	35×40	1.68
470					30×50	1.89	35×40	1.78					30×50	1.81	35×40	1.71
560							35×45	1.98							35×50	2.07
680							35×50	2.19								

μF \ V / φD	450							
	φ22		φ25		φ30		φ35	
82	22×25	0.60						
100	22×30	0.73	25×25	0.72				
120	22×35	0.84	25×30	0.87				
150	22×40	0.97	25×30	0.89	30×25	0.90		
180	22×45	1.08	25×35	1.03	30×30	1.08		
220			25×40	1.17	30×30	1.10	35×25	1.04
270			25×50	1.43	30×35	1.28	35×30	1.25
330					30×45	1.45	35×35	1.43
390					30×50	1.75	35×40	1.66
470							35×45	1.85
560							35×50	2.04

Ripple Current (A r.m.s./120Hz・105℃)

Case Size;φD×L (mm)

■ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

(Hz) Frequency		60	120	500	1k	10k≦
Coefficient	200～250V	0.80	1.00	1.20	1.30	1.50
	400～450V	0.80	1.00	1.20	1.25	1.40