

PE-EG Series

Snap-in Type
Guaranteed for 7000 hours at 105°C



Specifications

Items		Specifications							
Rated voltage (V)		160	180	200	250	315	350	400	450
Category temperature range (°C)		-25~+105							
Capacitance tolerance (%)		±20 (120Hz/20°C)							
Tangent of loss angle (tanδ) (MAX.) (120Hz/20°C)		0.15				0.20			
Leakage current (L.C.) (μA/after 5min) (MAX.)		$3\sqrt{CV}$							
Endurance 105°C 7000hrs. rated voltage applied.	ΔC/C	Within ±20% of the initial value							
	tan δ	≤ Twice the initial standard							
	L.C.	≤ The initial standard							

Size List, Maximum Permissible Ripple Current

μF	V φD	160								180							
		φ 22		φ 25		φ 30		φ 35		φ 22		φ 25		φ 30		φ 35	
220										22×25	1.00						
270		22×25	1.10							22×25	1.10						
330		22×25	1.20							22×30	1.20	25×25	1.20				
390		22×30	1.30	25×25	1.30					22×30	1.30	25×25	1.30				
470		22×35	1.40	25×30	1.40					22×35	1.40	25×30	1.40	30×25	1.40		
560		22×40	1.50	25×30	1.50	30×25	1.50			22×40	1.50	25×35	1.50	30×25	1.50		
680		22×45	1.70	25×35	1.70	30×30	1.70			22×45	1.70	25×35	1.70	30×30	1.70		
820		22×50	2.00	25×40	2.00	30×30	2.00					25×40	2.00	30×35	2.00	35×30	2.00
1000				25×45	2.20	30×35	2.20	35×30	2.20			25×50	2.20	30×35	2.20	35×30	2.20
1200				25×50	2.30	30×40	2.30	35×35	2.30					30×40	2.30	35×35	2.30
1500						30×45	2.50	35×35	2.50					30×50	2.50	35×40	2.50
1800						30×50	2.70	35×40	2.70							35×45	2.70
2200								35×45	2.90							35×50	2.90

μF	V φD	200								250							
		φ 22		φ 25		φ 30		φ 35		φ 22		φ 25		φ 30		φ 35	
180										22×25	0.90	25×25	0.90				
220		22×25	1.00							22×30	1.00	25×25	1.00				
270		22×30	1.10	25×25	1.10					22×35	1.10	25×30	1.10	30×25	1.10		
330		22×30	1.20	25×25	1.20					22×40	1.20	25×30	1.20	30×25	1.20		
390		22×35	1.30	25×30	1.30	30×25	1.30			22×45	1.30	25×35	1.30	30×30	1.30		
470		22×40	1.40	25×35	1.40	30×25	1.40			22×50	1.40	25×40	1.40	30×30	1.40	35×30	1.40
560		22×45	1.50	25×35	1.50	30×30	1.50					25×45	1.50	30×35	1.50	35×30	1.50
680		22×50	1.70	25×40	1.70	30×30	1.70					25×50	1.70	30×40	1.70	35×35	1.70
820				25×45	2.00	30×35	2.00	35×30	2.00					30×45	2.00	35×35	2.00
1000						30×40	2.20	35×35	2.20					30×50	2.20	35×40	2.20
1200						30×45	2.30	35×40	2.30							35×45	2.30
1500								35×50	2.50								

μF	V φD	315								350							
		φ 22		φ 25		φ 30		φ 35		φ 22		φ 25		φ 30		φ 35	
82		22×25	0.64							22×25	0.64						
100		22×30	0.69							22×30	0.69	25×25	0.69				
120		22×30	0.75	25×25	0.75					22×35	0.75	25×30	0.75				
150		22×35	0.82	25×30	0.82	30×25	0.82			22×40	0.82	25×30	0.82	30×25	0.82		
180		22×40	0.90	25×30	0.90	30×25	0.90			22×45	0.90	25×35	0.90	30×30	0.90		
220		22×45	1.00	25×35	1.00	30×30	1.00			22×50	1.00	25×40	1.00	30×30	1.00		
270				25×40	1.10	30×35	1.10	35×30	1.10			25×45	1.10	30×35	1.10	35×30	1.10
330				25×50	1.20	30×40	1.20	35×30	1.20					30×40	1.20	35×35	1.20
390						30×40	1.30	35×35	1.30					30×45	1.30	35×35	1.30
470						30×45	1.40	35×40	1.40					30×50	1.40	35×40	1.40
560								35×45	1.50							35×50	1.50
680								35×50	1.70								

Ripple Current (A r.m.s./120Hz·105°C)

Case Size; φ DXL (mm)

PE-EG Series

V μF	φD	400						450									
		φ 22		φ 25		φ 30		φ 35		φ 22		φ 25		φ 30		φ 35	
39								22×25	0.37								
47								22×30	0.40								
56		22×25	0.51					22×35	0.47	25×25	0.47						
68		22×30	0.56	25×25	0.56			22×40	0.53	25×30	0.53						
82		22×30	0.64	25×25	0.64			22×45	0.56	25×35	0.56	30×25	0.56				
100		22×35	0.69	25×30	0.69			22×50	0.64	25×40	0.64	30×30	0.64				
120		22×40	0.75	25×30	0.75	30×25	0.75			25×45	0.72	30×30	0.72				
150		22×45	0.82	25×35	0.82	30×30	0.82			25×50	0.79	30×40	0.79	35×30	0.79		
180		22×50	0.90	25×40	0.90	30×30	0.90	35×25	0.90			30×45	0.87	35×35	0.87		
220				25×45	1.00	30×35	1.00	35×30	1.00					30×50	1.00	35×40	1.00
270						30×40	1.10	35×35	1.10							35×45	1.19
330						30×45	1.20	35×40	1.20							35×50	1.38
390								35×45	1.30								
470								35×50	1.40								

Ripple Current (A r.m.s./120Hz·105°C)

Case Size; φ DXL (mm)

MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency (Hz)		60 (50)	120	500	1k	10k _≤
Coefficient	160~250V	0.80	1.00	1.20	1.30	1.50
	315~450V	0.80	1.00	1.20	1.25	1.40