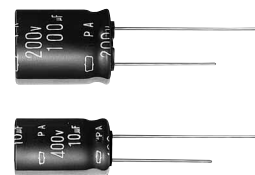


PA Series

- Endurance with ripple current : 105°C 2,000 hours
- Higher ripple current than KMG, general purpose series
- Suitable for low profile equipment such as AC adaptors
- Non solvent-proof type
- RoHS Compliant

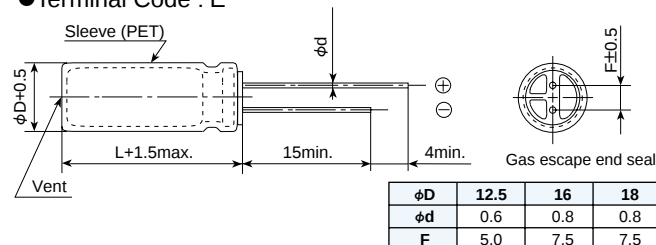


SPECIFICATIONS

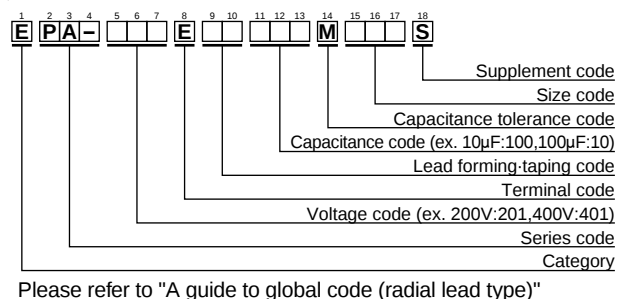
Items	Characteristics			
Category Temperature Range	-40 to 105°C			
Rated Voltage Range	200 & 400V _{dc}			
Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)			
Leakage Current	I=0.04CV+100(after 1 minute at 20°C) I=0.02CV+25(after 5 minutes at 20°C) Where: I : Max. leakage current(μA), C : Nominal capacitance(μF), V : Rated voltage(V)			
Dissipation factor (tanδ)	Rated voltage(V _{dc})	200	400	(at 20°C, 120Hz)
	tanδ(Max.)	0.20	0.24	
Low Temperature Characteristics	Rated voltage(V _{dc})	200	400	(at 20°C, 120Hz)
	Z(-25°C)/Z(20°C)	3	5	
	Z(-40°C)/Z(20°C)	6	6	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 2,000 hours at 105°C.			
	Capacitance change	≤±20% of the initial value		
	D.F.(tanδ)	≤200% of the initial specified value		
	Leakage current	≤The initial specified value		
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied.			
	Capacitance change	≤±20% of the initial value		
	D.F.(tanδ)	≤200% of the initial specified value		
	Leakage current	≤500% of the initial specified value		

DIMENSIONS [mm]

- Terminal Code : E



PART NUMBERING SYSTEM



STANDARD RATINGS

WV (V _{dc})	Cap (µF)	Case size φD×L(mm)	tanδ	Rated ripple current (mA _{rms} /105°C,120Hz)	Part No.
200	33	12.5×20	0.20	203	EPA-201E□□330MK20S
	47	12.5×20	0.20	242	EPA-201E□□470MK20S
	56	12.5×25	0.20	288	EPA-201E□□560MK25S
	68	12.5×25	0.20	317	EPA-201E□□680MK25S
	68	16×20	0.20	323	EPA-201E□□680ML20S
	82	16×20	0.20	355	EPA-201E□□820ML20S
	100	16×20	0.20	392	EPA-201E□□101ML20S
	120	16×25	0.20	465	EPA-201E□□121ML25S
	120	18×20	0.20	446	EPA-201E□□121MM20S
	150	18×25	0.20	536	EPA-201E□□151MM25S

□□ : Lead forming / Taping code

WV (V _{dc})	Cap (µF)	Case size φD×L(mm)	tanδ	Rated ripple current (mA _{rms} /105°C,120Hz)	Part No.
400	10	12.5×20	0.24	110	EPA-401E□□100MK20S
	22	12.5×25	0.24	180	EPA-401E□□220MK25S
	22	16×20	0.24	183	EPA-401E□□220ML20S
	33	16×20	0.24	225	EPA-401E□□330ML20S
	47	16×25	0.24	291	EPA-401E□□470ML25S
	47	18×20	0.24	279	EPA-401E□□470MM20S
	56	18×25	0.24	327	EPA-401E□□560MM25S
	68	18×25	0.24	360	EPA-401E□□680MM25S

RATED RIPPLE CURRENT MULTIPLIERS

Frequency (Hz)	50	120	300	1k	10k	100k
10 to 47µF	0.45	1.00	1.25	1.50	1.75	1.80
56 to 150µF	0.50	1.00	1.15	1.30	1.40	1.50

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