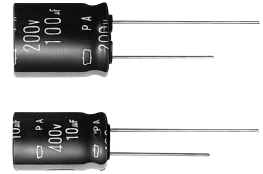


PA Series

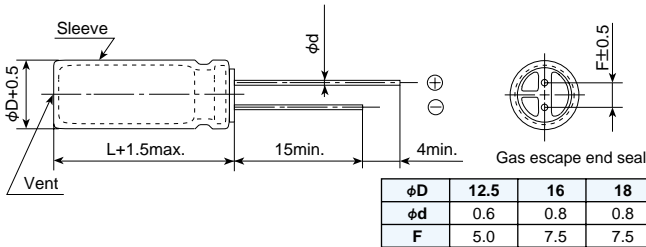
- Endurance with ripple current : 105°C 2,000 hours
- Higher ripple current than KMG, general purpose series
- Suitable for low profile equipment such as AC adaptors
- Non solvent-proof type



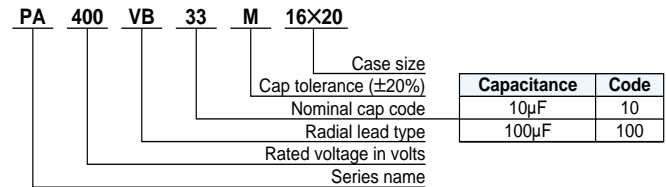
◆SPECIFICATIONS

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
	tanδ(Max.)	0.20 0.24 (at 20°C, 120Hz)
Low Temperature Characteristics	Rated voltage(V _{dc})	200 400
	Z(-25°C)/Z(20°C)	3 5
	Z(-40°C)/Z(20°C)	6 6 (at 20°C, 120Hz)
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 (Radial Lead Type=VB) [mm]



◆PART NUMBERING SYSTEM



◆STANDARD RATINGS

Nominal capacitance (μF)	200V _{dc}		
	Case size φD×L (mm)	Part number	Rated ripple current (mArms) at 105°C, 120Hz
33	12.5×20	PA200VB33M12.5×20	203
47	12.5×20	PA200VB47M12.5×20	242
56	12.5×25	PA200VB56M12.5×25	288
68	12.5×25	PA200VB68M12.5×25	317
	16×20	PA200VB68RM16×20	323
82	16×20	PA200VB82M16×20	355
100	16×20	PA200VB100M16×20	392
120	16×25	PA200VB120M16×25	465
	18×20	PA200VB120M18×20	446
150	18×25	PA200VB150M18×25	536

Nominal capacitance (μF)	400V _{dc}		
	Case size φD×L (mm)	Part number	Rated ripple current (mArms) at 105°C, 120Hz
10	12.5×20	PA400VB10M12.5×20	110
22	12.5×25	PA400VB22M12.5×25	180
	16×20	PA400VB22M16×20	183
33	16×20	PA400VB33M16×20	225
47	16×25	PA400VB47M16×25	291
	18×20	PA400VB47M18×20	279
56	18×25	PA400VB56M18×25	327
68	18×25	PA400VB68M18×25	360

◆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