

New!

PAG Series

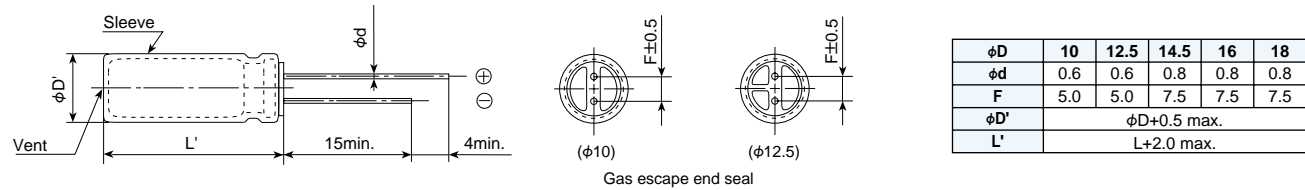
- Downsize, high ripple design (φ10 to 18)
- Rated voltage range : 200 to 450V_{dc}, Capacitance range : 18 to 560μF
- Endurance with ripple current : 105°C 2000 hours
- Ideal for low profile power supply application
- Non solvent-proof type



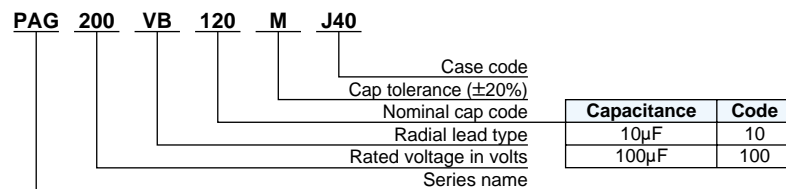
◆SPECIFICATIONS

Items	Characteristics				
Category	—40 to +105°C (200, 400V _{dc}) —25 to +105°C (420, 450V _{dc})				
Temperature Range					
Rated Voltage Range	200 to 450V _{dc}				
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)				
Leakage Current		After 1 minute		After 5 minutes	
	CV ≤ 1000	I = 0.1CV + 40		I = 0.03CV + 15	
	CV > 1000	I = 0.04CV + 100		I = 0.02CV + 25	
	Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C)				
Dissipation Factor (tanδ)	Rated voltage (V _{dc})	200V	400V	420V	450V
	tanδ (Max.)	0.12	0.15	0.20	0.20
	(at 20°C, 120Hz)				
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V _{dc})	200V	400V	420V	450V
	Z(-25°C)/Z(+20°C)	3	5	6	6
	Z(-40°C)/Z(+20°C)	6	6	—	—
	(at 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 2000 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 1000 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



◆CASE CODE [mm]

Case code	Case size φDXL	Case code	Case size φDXL
J30	10×30	L30	16×30
J35	10×35	L35	16×35
J40	10×40	L40	16×40
K30	12.5×30	M30	18×30
K35	12.5×35	M35	18×35
K40	12.5×40	M40	18×40
U30	14.5×30	M45	18×45
U35	14.5×35		
U40	14.5×40		

◆RATED RIPPLE CURRENT MULTIPLIERS

●Frequency Multipliers

Capacitance (μF)	Frequency (Hz)			
	120	1k	10k	100k
18 to 82	1.0	1.50	1.75	1.80
100 to 560	1.0	1.30	1.40	1.50

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◆STANDARD RATINGS

μF	V _{dc} Items	200		400	
		Case size φDXL (mm)	Rated ripple current (Arms/105°C, 120Hz)	Case size φDXL (mm)	Rated ripple current (Arms/105°C, 120Hz)
27				10×30	0.26
33				10×35	0.30
39				10×40	0.34
47				12.5×30	0.37
56				12.5×35	0.42
68				12.5×40	0.48
				14.5×30	
82		10×30	0.44	14.5×35	0.53
100		10×35	0.51	14.5×40	0.58
				16×30	
120		10×40	0.59	16×35	0.67
				18×30	
150		12.5×30	0.65	16×40	0.77
				18×35	
180		12.5×35	0.75	18×40	0.88
220		12.5×40	0.83	18×45	1.00
		14.5×30			
270		14.5×35	0.96		
		16×30			
330		16×35	1.10		
		18×30			
390		16×40	1.24		
		18×35			
470		18×40	1.39		
560		18×45	1.56		

μF	V _{dc} Items	420		450	
		Case size φDXL (mm)	Rated ripple current (Arms/105°C, 120Hz)	Case size φDXL (mm)	Rated ripple current (Arms/105°C, 120Hz)
18				10×30	0.21
22		10×30	0.23	10×35	0.24
27		10×35	0.27	10×40	0.28
33		10×40	0.31	12.5×30	0.31
39		12.5×30	0.33	12.5×35	0.35
47		12.5×35	0.39	12.5×40	0.39
				14.5×30	
56		12.5×40	0.43	14.5×35	0.44
		14.5×30			
68		14.5×35	0.51	14.5×40	0.50
		16×30			
82		14.5×40	0.57	16×40	0.55
		16×35			
100		16×40	0.61	18×35	0.65
		18×30			
120		18×35	0.69	18×40	0.74
150		18×40	0.79	18×45	0.81