

Metallized Polypropylene Film Capacitor

Single-phase AC-filter capacitor (Oil-filled-type)

■ APPLICATIONS

- AC-filter in frequency converter
- AC-filter in wind power converter
- AC-filter in PV inverter
- AC-filter in UPS

■ FEATURES

- Withstand high I_{rms}
- Withstand high frequency: up to 20kHz
- High reliability and life expectancy
- Non-polar
- Low R_{th}
- Low ESR

■ MARKING

- Manufacturer' logo
- Rated capacitance
- Capacitance tolerance
- RMS AC voltage
- Tracking number



■ CONSTRUCTION

- Dielectric: PP film
- Electrodes: Metallized dielectric film
- Aluminum case

■ TECHNICAL DATA AND SPECIFICATION

Referenced standard	GB/T17702, IEC61071
Rated RMS Voltage U_{rms}	200VAC~1000VAC
Rated capacitance	20 μ F - 200 μ F
Capacitance tolerance	$\pm 5\%$ (J) , $\pm 10\%$ (K)
Dissipation factor $Tg\delta_0$	2×10^{-4}
Operating temperature	-40 °C ~70 °C
Hotspot temperature	$\leq 85^\circ\text{C}$
Storage temperature	-40 °C ~85 °C
Test voltage between terminals	$1.5U_{rms} / 10s @ 20^\circ\text{C} \pm 5^\circ\text{C}$
Test voltage between terminal and case	3000V.AC (2s, 20 °C $\pm 5^\circ\text{C}$, 50Hz)
Insulation resistance	$IR > 5\ 000\ s (20^\circ\text{C} \pm 5^\circ\text{C}, 100V.DC, 1min)$
Temporarily Overvoltage (per day)	1.1 x U_n , 30% on load duration.
	1.15 x U_n for 30min
	1.2 x U_n for 5min
	1.3 x U_n for 1min
Construction	Filling with inert gas/silicone oil, Non-inductive, over-pressure
Life expectancy	100 000h at U_{rms} and $T_{hs} \leq 70^\circ\text{C}$
Max. Torque of Installation	10Nm
Max. Altitude	2000m

■ COMPOSITION OF ORDERING CODE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
B	3	A	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□

Digit 1 to 3 Series code

Digit 4 Environmental code

G=Environmentally friendly, N=Non-environmentally friendly, C=Environmentally friendly and halogen-free, P=Environmentally friendly and phosphorus free, E= Environmentally friendly with halogen-free and phosphorus free;

Digit 5 to 9 Rated capacitance value and internal connection mode

internal connection mode: S=single phase T=delta connection Y=star connection

For example: 106S=10×10⁶ pF= 10μF 104T=10×10⁴ pF= 0.1μF

Digit 10 Capacitance tolerance

±5%=J ±10%=K ±20%=M Special tolerance=S

Digit 11 to 13 Rated voltage: consists of 3 numbers

For example: 850VAC=850 530VAC=530

Digit 14 Voltage Type

D=DC voltage (Peak value) A=AC voltage (Effective value)

Digit 15 Bottom installation type

L=Screw N=Flat bottom (no screw)

Digit 16 Resistance

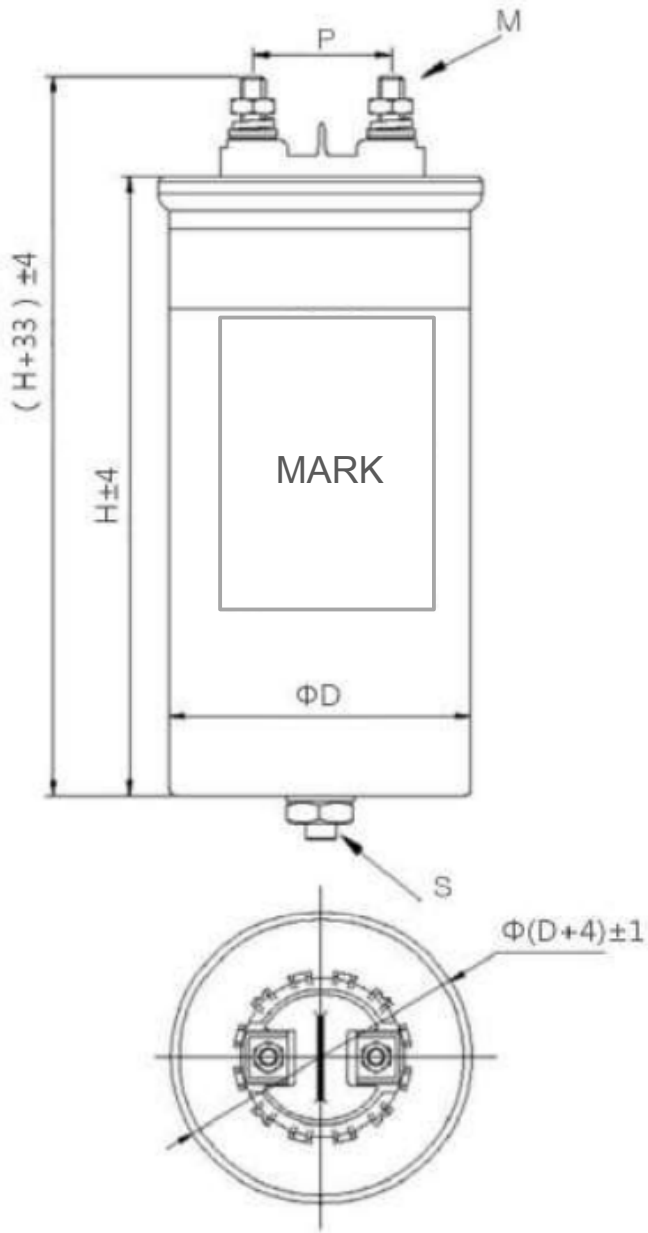
Y=Yes N=No

Digit 17 Internal use "-" =when there is no internal characteristic code

Digit 18 to 20 Sequence number of other differences

■ DIMENSIONS

Type 1



■ TECHNICAL DATA AND ORDERING CODE

C_N (μ F)	ØD (mm)	H (mm)	ESR (m Ω)	I_{peak} (kA)	I_{RMS} (A)	R_{th} ($^{\circ}$ C/W)	Part number
U_{rms}: 250VAC		U_{NAC}: 350VAC					
100	76	105	6.35	1.2	25	5.82	B3AG107SK250A**_***
150	76	175	5.85	1.3	25	4.85	B3AG157SK250A**_***
200	76	175	5.02	1.5	27	3.63	B3AG207SK250A**_***
400	76	240	2.90	1.5	50	2.10	B3AG407SK250A**_***
U_{rms}: 330VAC		U_{NAC}: 460VAC					
50	60	100	5.90	1.3	18	7.25	B3AG506SK330A**_***
100	60	130	6.00	1.1	26	6.80	B3AG107SK330A**_***
200	76	175	2.80	2.3	40	4.20	B3AG207SK330A**_***
400	86	250	2.90	4.6	60	2.80	B3AG407SK330A**_***
600	106	240	2.90	6.9	65	2.40	B3AG607SK330A**_***
U_{rms}: 500VAC		U_{NAC}: 700VAC					
100	76	200	3.20	1.0	35	6.78	B3AG107SK500A**_***
133	86	200	2.87	1.4	40	6.41	B3AG1337SK500A**_***
200	86	235	2.40	3.6	50	3.20	B3AG207SK500A**_***
220	86	250	2.90	3.8	50	3.20	B3AG227SK500A**_***
250	86	250	2.70	2.3	50	2.90	B3AG257SK500A**_***
U_{rms}: 600VAC		U_{NAC}: 850VAC					
100	86	240	2.50	1.2	40	2.10	B3AG107SK600A**_***
120	86	240	2.00	1.7	56	4.00	B3AG127SK600A**_***
150	96	240	2.10	2.5	60	1.70	B3AG157SK600A**_***
200	116	240	2.40	3.0	63	3.10	B3AG207SK600A**_***
U_{rms}: 690VAC		U_{NAC}: 975VAC					
120	116	175	2.50	7.0	80	4.30	B3AG127SK690A**_***
150	106	240	2.50	7.0	80	3.20	B3AG157SK690A**_***
200	116	240	2.90	2.0	60	1.40	B3AG207SK690A**_***
U_{rms}: 850VAC		U_{NAC}: 1200VAC					
50	86	240	3.2	1.2	40	4.00	B3AG506SK850A**_***
55.7	96	175	2.5	0.5	45	4.70	B3AG5576SK850A**_***
105	116	240	1.00	2.0	35	4.00	B3AG1057SK850A**_***
150	136	240	2.00	3.0	55	3.50	B3AG157SK850A**_***

Note: Customized products are available upon request.

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