Metallized Polypropylene Film Capacitor

Three-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

■ 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}	400VAC~850VAC
Rated capacitance	3×17μF - 3×200 μF
Capacitance tolerance	±5 %（J）, ±10 %（K）
Dissipation factor Tgδ$_0$	2×10^{-4}
Operating temperature	-40 ºC ~70 ºC
Hotspot temperature	≤85ºC
Storage temperature	-40 ºC ~85 ºC
Test voltage between terminals	1.25U_N（AC）/10s @20 ºC ±5 ºC Or 1.75U_N（DC）/10s @20 ºC ±5 ºC
Test voltage between terminal and case	3000V.AC （2s, 20 ºC ±5 ºC，50Hz）
Insulation resistance	IR ＞5 000 s (20 ºC±5 ºC,100V.DC,1min)
Temporarily Overvoltage (per day)	1.1 x Un, 30% on load duration.
	1.15 x Un for 30min
	1.2 x Un for 5min
	1.3 x Un for 1min
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=10×10^6 pF= 10μF 104T=10×10^4 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

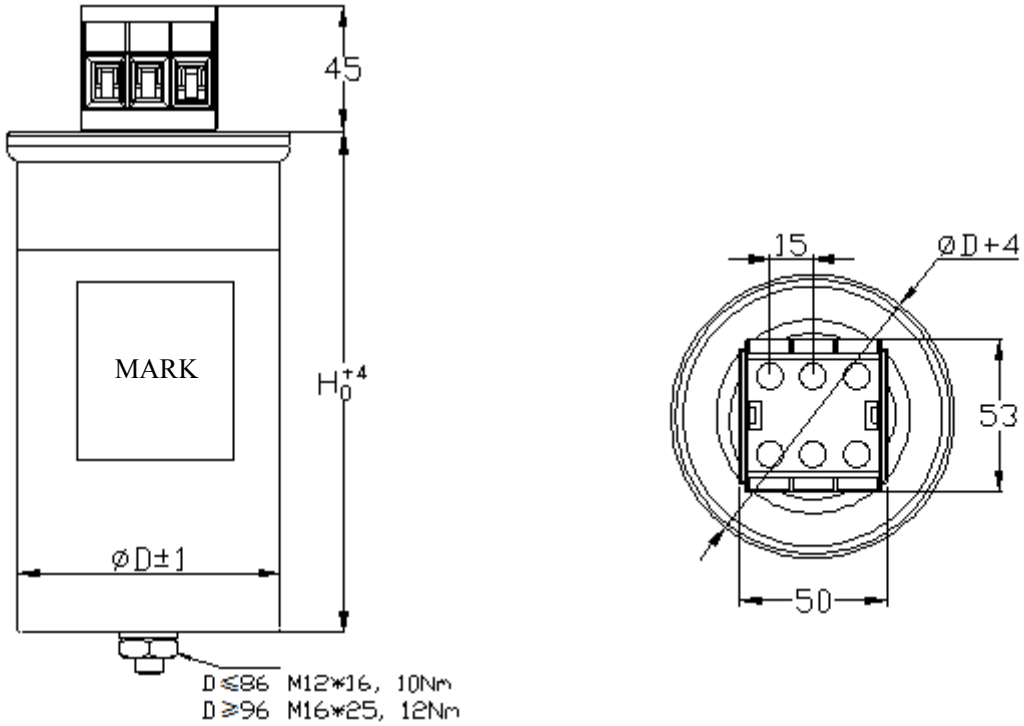
Y=Yes N=No

Digit 17 Inernal 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 (μF)	ØD (mm)	H (mm)	ESR (mΩ)	I_{peak} (kA)	I_{RMS} (A)	R_{th} (℃/W)	Part number
U_{rms}：450VAC		**U_{NAC}：640VAC**					
3×40	76	175	3×1.1	1.7	55	4.3	B3AG406TK450A**-***
3×46	86	175	3×0.9	1.3	56	3.5	B3AG466TK450A**-***
3×67.5	96	240	3×1.2	1.4	45	2.9	B3AG6756TK450A**-***
3×100	116	205	3×1.1	1.5	51	4.2	B3AG107TK450A**-***
3×150	136	205	3×0.9	2.0	60	2.7	B3AG157TK450A**-***
U_{rms}：530VAC		**U_{NAC}：750VAC**					
3×16	65	175	3×0.9	1.2	28	5.4	B3AG166TK530A**-***
3×23	76	175	3×0.9	1.1	30	3.7	B3AG236TK530A*N-***
3×50	96	240	3×0.6	1.5	50	2.6	B3AG506TK530A**-***
3×90	116	240	3×0.8	1.6	55	2.7	B3AG906TK530A**-***
3×100	116	240	3×1.0	1.8	58	3.1	B3AG107TK530A**-***
3×145	136	240	3×1.4	2.3	75	3.2	B3AG1457TK530A**-***
U_{rms}：850VAC		**U_{NAC}：1200VAC**					
3×8	65	240	3×1.4	1.6	34	3.8	B3AG805TK850A**-***
3×22	96	240	3×0.9	1.6	56	3.5	B3AG226TK850A**-***
3×33	106	240	3×1.3	1.7	45	3.4	B3AG336TK850A**-***
3×49	136	240	3×1.0	1.9	49	3.1	B3AG496TK850A**-***
3×55.7	136	240	3×0.9	3.3	56	2.6	B3AG5576TK850A**-***

Note：Customized products are available upon request.

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Some parts of this publication contain statements about the suitability of our products for certain areas of application. These statements are based on our knowledge of typical requirements that are often placed on our products in the areas of application concerned. We nevertheless expressly point out that such statements cannot be regarded as binding statements about the suitability of our products for a particular customer application. As a rule, BM is either unfamiliar with individual customer applications or less familiar with them than the customers themselves. For these reasons, it is always ultimately incumbent on the customer to check and decide whether an BM product with the properties described in the product specification is suitable for use in a particular customer application.

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