

# Metallized Polypropylene Film Capacitor(Aluminium Can) AC Application

## APN

订购基本规格

### EXPLANATION OF ARTICLE CODE

APN-	127	K	45	C	45	H	A
①	②	③	④	⑤	⑥	⑦	⑧

#### ① Capacitor Type

TYPE	APN
CODE	APN-

#### ② Rated Capacitance (EIA Code)

The rated Capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

105	=	1,000,000pF	=	1,000nF	=	1uF
106	=	10,000,000pF	=	10,000nF	=	10uF

#### ③ Capacitance Tolerance

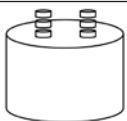
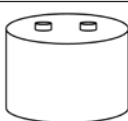
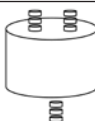
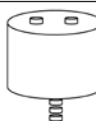
TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

#### ④ Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	125V	180V	200V	220V	230V	250V	280V	300V	350V	400V	450V	700V
CODE	12	18	20	22	23	25	28	30	35	40	45	70

#### ⑤ Terminal Configuration

FORM	THREADED STUD	THREADED INSERT	THREADED STUD + MOUNTING	THREADED INSERT + MOUNTING
CODE	A	B	C	J
FORM STYLE				

#### ⑥ Terminal Pitch

Lead SPACE	37.5	41.5	45.0	52.5
CODE	37	41	45	52

#### ⑦ Terminal

TERMINAL	M3	M4	M5	M6	M8	M10	M12
CODE	C	D	E	F	H	J	L

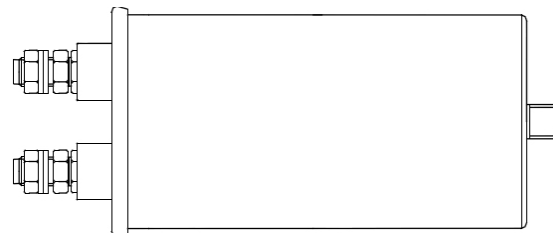
#### ⑧ Terminal Length

FORM	STUD		INSERT	
LENGTH	20.0	15.0	2.0	5.0
CODE	A	B	2	5

# Metallized Polypropylene Film Capacitor(Aluminium Can) AC Application

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AC Filtering capacitor consists of wound metallized polypropylene film, aluminium casing sealed with epoxy. They are suitable for output AC filtering for power converters, UPS System, Solar Inverter and Motor Drives.



### APPLICATIONS

- Output AC filtering for power converters
- UPS System
- Solar Inverters
- Motor Drives

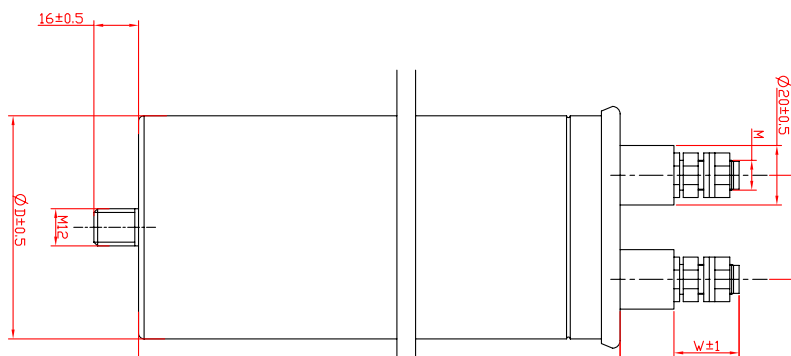
### FEATURES

- Optimized AC Voltage performance
- High Ripple Current.
- High contact reliability
- Flame retardant aluminium case and epoxy resin.

### SPECIFICATIONS

Operating Temperature:	-40°C - +85°C
Capacitance range:	10.0µF - 600µF
Capacitance Tolerance:	±5%(J), ±10%(K) at 1KHz
Dissipation Factor:	0.03.% max 50 Hz, 25 °C
Rated Voltage(Un):	400VDC - 1100VDC
Rated Voltage(Urms):	250VAC - 780VAC
Rated Insulation Voltage:	3600Vac 10s at 25°C 6000Vac 10s at 25°C
Dielectric Withstand:	2.15 x rated voltage for 10s (terminal to terminal)
Terminals to Case:	4.0 KV 50Hz for 60 sec. @ 25 °C
Insulation Resistance:	>100,000 MΩ x µF
Life Expectancy:	100,000 hours at Ur and 70 °C

### Terminal Style:



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### ■ DIMENSIONS / 产品尺寸 :

SIZE		400 VDC (250VAC)			
R.V.	CAP(μF)	OD (mm)	H (mm)	I <sub>PKR</sub> (A)	I <sub>RMS</sub> (A)
	200	85	155	2000	60
	250	85	195	2500	60
	300	75	268	3000	60
	400	85	268	4000	65
	500	85	268	5000	65
	600	95	280	6000	65

### ■ DIMENSIONS / 产品尺寸 :

SIZE		500 VDC (330VAC)			
R.V.	CAP(μF)	OD (mm)	H (mm)	I <sub>PKR</sub> (A)	I <sub>RMS</sub> (A)
	100	25	115	1500	25
	200	43	145	3000	43
	300	50	247	4500	50
	400	50	247	6000	50
	500	58	247	7500	58
	600	70	270	9000	70

### ■ DIMENSIONS / 产品尺寸 :

SIZE		750 VDC (440VAC)			
R.V.	CAP(μF)	OD (mm)	H (mm)	I <sub>PKR</sub> (A)	I <sub>RMS</sub> (A)
	100	75	147	2000	30
	133	65	247	3000	40
	150	65	247	3000	45
	200	75	247	4000	55
	300	85	247	4000	60

### ■ DIMENSIONS / 产品尺寸 :

SIZE		750 VDC (550VAC)			
R.V.	CAP(μF)	OD (mm)	H (mm)	I <sub>PKR</sub> (A)	I <sub>RMS</sub> (A)
	22	65	117	1540	40
	33	75	117	2310	45
	47	65	247	3290	50
	68	65	247	4760	55
	100	75	247	7000	60
	120	85	247	8400	60
	150	95	247	10500	60

### ■ DIMENSIONS / 产品尺寸 :

SIZE		900 VDC (640VAC)			
R.V.	CAP(μF)	OD (mm)	H (mm)	I <sub>PKR</sub> (A)	I <sub>RMS</sub> (A)
	15	65	117	1350	45
	22	75	147	1980	45
	33	75	147	2970	50
	47	65	247	4230	55
	68	75	247	6120	60
	100	95	247	9000	60
	120	95	280	10800	60
	150	116	280	13500	60

### ■ DIMENSIONS / 产品尺寸 :

SIZE		1100 VDC (VAC)			
R.V.	CAP(μF)	OD (mm)	H (mm)	I <sub>PKR</sub> (A)	I <sub>RMS</sub> (A)
	10	65	147	1000	30
	15	75	147	1500	45
	22	75	147	2200	45
	33	85	147	3300	50
	47	75	247	4700	55
	68	85	247	6800	60
	100	95	280	10000	60