

Type: SMPA-S3

AC Motor Start and Run Capacitors - TUV Approved

馬達啟動電容器 - TUV 安規認證

 Safety Standards 安規

TUV: IEC 60252-1:2010+A1

 Features 特性

- Long life due to self-healing characteristic.
- High moisture resistance.
- Very low loss at high frequency, suitable for high current.
- Active and passive flame retardant (UL94 V-0).
- Class of operation: Class B 10,000 hours.
- 具自愈性、壽命長。
- 密封性良好、耐濕性高。
- 頻率特性良好、介質損失極低，適合大電流用。
- 絕佳的阻燃防火功能 (UL94 V-0)。


 Applications 用途

AC Motor Start and Run Capacitors are widely used for electric motors starting or running such as air conditioner, refrigerator, washing machine, dishwasher, motor pump, bread maker, fan, electrical power tool, power supply, UPS, etc.

適用於家電產品馬達啟動及馬達運轉用途，例如室內空調、電冰箱、洗乾衣機、洗碗機、馬達幫浦、製麵包機、風扇、電動工具、電源供應器、不斷電系統等各類電子產品。

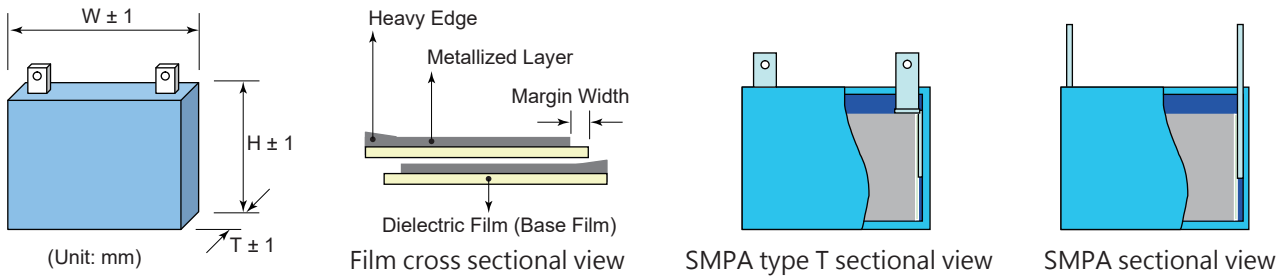
 Specifications 規格

Rated Voltage 額定電壓	190 ~ 300V
Capacitance Range 電容量範圍	0.9 ~ 30µF
Capacitance Tolerance 容量誤差	±5% (J), +10-5% (U), ±10% (K), ±15% (L)
Temperature Range 溫度範圍	-40 ~ +85°C
Rated Working Frequency Range 電壓頻率	50 ~ 60Hz
Dissipation Factor (DF) 損耗因數	≤ 1% Max. Measured at 1kHz 20°C
Between Terminals (T-T) 端子相互間耐電壓	Rated voltage x 175% VAC 10sec
Between Terminals and Case (T-C) 端子 Case 間耐電壓	2000VAC, 60sec

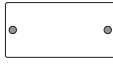
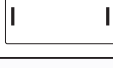
Case Size List 產品尺寸

Capacitance μF	Dimensions (Unit: mm)		
	W±1	H±1	T±1
0.5	30	21	11.5
1	31.5	25	14
1	32	21.5	12.5
1.2	32	21.5	12.5
1.5	37	28.5	18
1.8	37	28.5	18
2	37	34	22
2.2	37	34	22
2.3	37	34	22
2.5	37	28.5	18
2.7	37	34	22
2.8	39	29	20.5
2.8	45	31.5	20.5
3	37	29	20
3	39	29	20.5
3	45	31.5	20.5
3.3	51	30.5	20
3.5	50	30	20
3.5	51	34	22
3.8	51	34	22
4	45	32	22
4	51	34	22
4.5	50	30	20
5	51	35	24
5.5	51	35	24
6	51	35	24
6.5	51	35	24
7	51	35	24
7.5	51	36	25
8	51	43.5	29
8	51	36	25
8.5	58	35	23.5
9	51	43.5	29
9.5	51	40	30
10	51	40	30
10	51	43.5	29
10.5	59	45	35
11	59	45	35
11.5	51	43.5	29
11.5	49.5	60	34
12	51	43.5	29
12	59	45	35
12.5	59	48	39
13	59	48	39
13.5	59	48	39
14	59	48	39
14.5	59	48	39
15	59	58	45
15.5	59	58	45
16	59	58	45
16.5	59	58	45
17	59	58	45
17.5	59	58	45
18	59	58	45
18.5	59	58	45
19	59	58	45
19.5	59	58	45
20	59	58	45

Constructions of Winding Elements 結構圖



Model and Type 外型圖

Type Model	BX	BL	BF	BP	BU	Terminals
A						Tinned copper wire inned copper clad steel wire
B						UL AWG18 to AWG22 Insulated stranded wire
C						AMP110F1 or AMP187F1 Single fast-on terminal
D						AMP187F2 Single Fast-on Terminals
E						AMP187U2 Dual Fast-on Terminals
F						AMP205F1 or AMP250F1 Single fast-on terminal
G						AMP187L2, AMP205L2 or AMP250L2 Dual Fast-on Terminals
H						AMP250U2 Dual Fast-on Terminals

Fast-on Terminals Dimensions 端子尺寸

Type	110	187	205	250	±Tolerance
D	2.80	4.75	5.25	6.35	0.25
B	7.50	6.35	7.00	8.00	0.50
E	5.30	3.50	4.00	4.00	0.20
C	0.50	0.50	0.80	0.80	0.05
ØF	1.25	1.35	1.65	1.65	0.05

(Unit: mm)

