Single Metallized Polypropylene Film, Axial

AMPP(FLAT)

Constructed of metallized polypropylene film with axial leads of tinned wire.

■ Features

- Low dissipation factor at high frequency,
- High stability of capacitance & DF.
- High insulation resistance
- Self-healing property

■ Applications

- Timing, tuned, oscillator circuits.
- Temperature compensation circuits.
- Telecommunications and data processing
- Professional electronics testing equipment. Industrial instruments

■ Specifications

Reference Standard	IEC 60384–16				
Climatic Category	55/105/56				
Rated Temperature	+110°C				
	Derating ratio of rated voltage to +85~+110°C : 1.5%/°C				
Operation Temperature Range	-40°C to +85°C				
Rated Voltage	250, 400, 630 VDC				
Capacitance Range (μF)	0.01 – 10 μF				
Capacitance Tolerance	±3%, ±5%, ±10%				
Dissipation Factor	C ⩽ 1.0 μF	0.1 μF<C ⩽ 1.0 μF	1.0 μF<C ⩽ 3.0 μF	3.0 μF<C ⩽ 5.0 μF	5.0 μF<C ⩽ 10 μF
	1 kHz	0.10%	0.10%	0.10%	0.10%	0.10%
	100 kHz	0.40%	0.70%	1.20%	1.80%	2.80%
Insulation Resistance	⩾ 3000 MΩ C ⩽ 0.33 μF , ⩾ 100000 MΩ x μF for C>0.33μF 100 VDC 60SEC+20°C ±5°C				

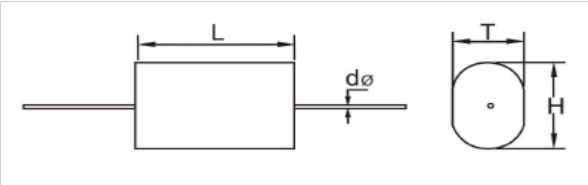
■ Part Number System

AMPP	50V	105	J	11	S	5	
Part-1	Part-2	Part-3	Part-4	Part-5	Part-6	Part-7	Part-8

Part-1 : Series Code(Series Name)-AMPP
Part-2 : Rated Voltage(250~630 VDC)
Part-3 : Rated Capacitance Value(0.01 μF – 10 μF / 103~106)
Part-4 : Capacitance Tolerance(H : ±3% J : ±5% K : ±10%)
Part-5 : Length (11mm / 14mm / 20.5mm / 28mm / 33mm)
Part-6 : Forming -Type and Packing code →
Part-7 : Size Number (5~6 : Min-Type / 7 : Standard- Type / 8~15 : Large-Type)
Part-8 : Internal Use

CODE	STYLE
B	Bending Forming
C	Straight Cutting
D	D-Type Forming
L	B-Type long Forming
M	C-Type long Forming
S	Straight
X	B-Type Forming
Y	C-Type Forming
Z	Z-Type Forming
T	A-Type Tapping
U	B-Type Tapping
V	C-Type Tapping

■ Dimensions



250Vdc (160Vac)

Cap. (μF)	Dimensions(Max)				PART NUMBER
	T	L	H	d	
0.01	5.0	14.0	8.0	0.6	AMPP 250V103J14S5_
0.015	5.0	14.0	8.5	0.6	AMPP 250V153J14S5_
0.022	5.0	14.0	10.0	0.6	AMPP 250V223J14S5_
0.033	6.0	14.0	11.0	0.6	AMPP 250V333J14S5_
0.047	5.0	14.0	9.5	0.6	AMPP 250V473J14S5_
0.068	5.5	14.0	10.5	0.6	AMPP 250V683J14S5_
0.1	7.0	14.0	11.5	0.6	AMPP 250V104J14S5_
0.15	6.0	19.0	10.5	0.6	AMPP 250V154J19S5_
0.22	7.0	19.0	10.5	0.6	AMPP 250V224J19S5_
0.33	8.0	19.0	12.5	0.6	AMPP 250V334J19S5_
0.47	8.5	27.0	15.0	0.8	AMPP 250V474J27S5_
0.68	10.0	27.0	16.0	0.8	AMPP 250V684J27S5_
1.0	10.0	33.0	17.5	0.8	AMPP 250V105J33S5_
1.5	13.0	33.0	19.5	0.8	AMPP 250V155J33S5_
2.2	13.5	33.0	20.0	0.8	AMPP 250V225J33S5_
3.3	16.0	33.0	24.0	0.8	AMPP 250V335J33S5_
4.7	16.0	38.0	25.0	0.8	AMPP 250V475J38S5_
6.8	16.0	44.0	32.0	0.8	AMPP 250V685J44S5_
10	18.0	44.0	38.0	0.8	AMPP 250V106J44S5_

400Vdc (200Vac)

Cap. (μF)	Dimensions(Max)				PART NUMBER
	T	L	H	d	
0.01	5.0	14.0	8.0	0.6	AMPP 400V103J14S5_
0.015	5.0	14.0	8.5	0.6	AMPP 400V153J14S5_
0.022	5.0	14.0	10.0	0.6	AMPP 400V223J14S5_
0.033	6.0	14.0	11.0	0.6	AMPP 400V333J14S5_
0.047	6.5	14.0	11.5	0.6	AMPP 400V473J14S5_
0.068	7.0	19.0	12.0	0.6	AMPP 400V683J19S5_
0.1	7.5	19.0	12.0	0.6	AMPP 400V104J19S5_
0.15	8.5	19.0	14.5	0.8	AMPP 400V154J19S5_
0.22	8.0	27.0	14.5	0.8	AMPP 400V224J27S5_
0.33	9.5	27.0	16.0	0.8	AMPP 400V334J27S5_
0.47	10.0	33.0	16.0	0.8	AMPP 400V474J33S5_
0.68	11.0	33.0	18.0	0.8	AMPP 400V684J33S5_
1.0	14.0	33.0	21.0	0.8	AMPP 400V105J33S5_
1.5	16.0	33.0	24.0	0.8	AMPP 400V155J33S5_
2.2	14.5	38.0	30.0	0.8	AMPP 400V225J38S5_
3.3	18.0	44.0	37.0	0.8	AMPP 400V335J44S5_

630Vdc (220Vac)

Cap. (μF)	Dimensions(Max)				PART NUMBER
	T	L	H	d	
0.01	5.5	14.0	9.0	0.6	AMPP 630V103J14S5_
0.015	6.0	14.0	10.0	0.6	AMPP 630V153J14S5_
0.022	6.0	14.0	10.0	0.6	AMPP 630V223J14S5_
0.033	6.5	19.0	11.5	0.6	AMPP 630V333J19S5_
0.047	7.5	19.0	13.0	0.6	AMPP 630V473J19S5_
0.068	8.5	19.0	13.5	0.8	AMPP 630V683J19S5_
0.1	8.0	27.0	13.0	0.8	AMPP 630V104J27S5_
0.15	9.0	27.0	16.0	0.8	AMPP 630V154J27S5_
0.22	10.5	33.0	17.0	0.8	AMPP 630V224J33S5_
0.33	12.5	33.0	20.0	0.8	AMPP 630V334J33S5_
0.47	14.5	33.0	22.0	0.8	AMPP 630V474J33S5_
0.68	16.0	33.0	23.0	0.8	AMPP 630V684J33S5_
1.0	17.0	38.0	25.0	0.8	AMPP 630V105J38S5_
1.5	21.0	44.0	32.0	0.8	AMPP 630V155J44S5_
2.2	23.0	44.0	37.0	0.8	AMPP 630V225J44S5_