

AMPE(FLAT)

Constructed of metallized polyester film with axial leads of tinned wire

■ Features

- Optimum Self-healing capability
- High stability of capacitance
- High reliability

■ Applications

- Blocking, by passing, filtering, timing circuits,
- Professional electronics testing equipment. Telecommunications and data processing.
- Automatic control system equipment. Industrial instruments

■ Specifications

Reference Standard	IEC 60384-2
Climatic Category	55/105/56
Rated Temperature	+110°C Derating ratio of rated voltage to +85~+110°C : 1.25%/°C
Operation Temperature Range	-45°C to +85°C
Rated Voltage	100, 250, 400, 630 VDC
Capacitance Range (μF)	0.001 – 10 μF
Capacitance Tolerance	±2%, ±5%, ±10%
Dissipation Factor	1.0 % (max) at 1KHz , 1.5% (max) at 10KHz
Insulation Resistance	VR ≤ 100VDC: ≥ 10000M Ω for C ≤ 0.33 μF. ≥ 1000M Ω x μF for C > 0.33μF VR > 100VDC: ≥ 30000M Ω for C ≤ 0.33 μF. ≥ 10000M Ω x μF for C > 0.33μF

■ Part Number System

AMPE	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)-AMPE

Part-2 : Rated Voltage(100~630VDC)

Part-3 : Rated Capacitance Value(0.01 – 10 μF / 103~106)

Part-4 : Capacitance Tolerance(G: ±2%, J : ±5% K : ±10%)

Part-5 : Length (11mm / 14mm / 20.5mm / 28mm / 33mm)

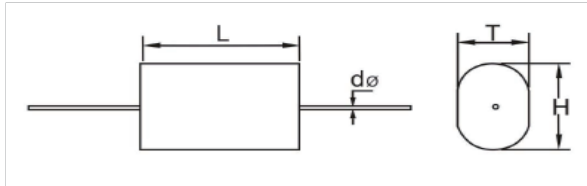
Part-6 : Forming -Type and Packing code

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



100Vdc (63Vac)					
Cap. (μ F)	Dimensions(Max)				PART NUMBER
	T	L	H	d	
0.01	5.0	11.0	8.0	0.6	AMPE 100V103J11S5_
0.015	5.0	11.0	8.0	0.6	AMPE 100V153J11S5_
0.022	5.0	11.0	8.0	0.6	AMPE 100V223J11S5_
0.033	5.0	11.0	8.0	0.6	AMPE 100V333J11S5_
0.047	5.0	11.0	8.0	0.6	AMPE 100V473J11S5_
0.068	5.0	11.0	8.0	0.6	AMPE 100V683J11S5_
0.1	5.0	14.0	8.0	0.6	AMPE 100V104J14S5_
0.15	5.0	14.0	8.5	0.6	AMPE 100V154J14S5_
0.22	5.0	14.0	8.5	0.6	AMPE 100V224J14S5_
0.33	6.0	14.0	9.0	0.6	AMPE 100V334J14S5_
0.47	5.0	19.0	9.5	0.6	AMPE 100V474J19S5_
0.68	5.5	19.0	10.0	0.6	AMPE 100V684J19S5_
1.0	6.5	19.0	11.0	0.6	AMPE 100V105J19S5_
1.5	6.0	27.0	12.5	0.6	AMPE 100V155J27S5_
2.2	8.0	27.0	14.0	0.6	AMPE 100V225J27S5_
3.3	10.0	27.0	16.0	0.8	AMPE 100V335J27S5_
4.7	10.5	33.0	18.0	0.8	AMPE 100V475J33S5_
6.8	12.0	33.0	20.0	0.8	AMPE 100V685J33S5_
10	15.0	33.0	23.5	0.8	AMPE 100V106J33S5_

250Vdc (160Vac)					
Cap. (μ F)	Dimensions(Max)				PART NUMBER
	T	L	H	d	
0.01	5.0	11.0	8.0	0.6	AMPE 250V103J11S5_
0.015	5.0	11.0	8.0	0.6	AMPE 250V153J11S5_
0.022	5.0	11.0	8.0	0.6	AMPE 250V223J11S5_
0.033	5.0	11.0	8.0	0.6	AMPE 250V333J11S5_
0.047	5.0	11.0	8.0	0.6	AMPE 250V473J11S5_
0.068	5.0	11.0	8.0	0.6	AMPE 250V683J11S5_
0.1	5.0	14.0	8.0	0.6	AMPE 250V104J14S5_
0.15	5.0	14.0	8.5	0.6	AMPE 250V154J14S5_
0.22	5.0	19.0	9.5	0.6	AMPE 250V224J19S5_
0.33	6.0	19.0	10.5	0.6	AMPE 250V334J19S5_
0.47	7.0	19.0	11.5	0.6	AMPE 250V474J19S5_
0.68	7.0	27.0	12.0	0.6	AMPE 250V684J27S5_
1.0	8.0	27.0	13.0	0.6	AMPE 250V105J27S5_
1.5	8.5	27.0	15.0	0.8	AMPE 250V155J27S5_
2.2	9.5	33.0	17.5	0.8	AMPE 250V225J33S5_
3.3	12.5	33.0	21.0	0.8	AMPE 250V335J33S5_
4.7	12.0	38.0	21.0	0.8	AMPE 250V475J38S5_
6.8	13.0	38.0	26.0	0.8	AMPE 250V685J38S5_
10	18.0	48.0	30.0	0.8	AMPE 250V106J48S5_

Metallized Polyester Film

400Vdc (200Vac)

Cap. (μ F)	Dimensions(Max)				PART NUMBER
	T	L	H	d	
0.01	5.0	11.0	8.0	0.6	AMPE 400V103J11S5_
0.015	5.0	14.0	8.0	0.6	AMPE 400V153J14S5_
0.022	5.0	14.0	8.0	0.6	AMPE 400V223J14S5_
0.033	5.5	14.0	9.0	0.6	AMPE 400V333J14S5_
0.047	6.0	14.0	10.0	0.6	AMPE 400V473J14S5_
0.068	6.0	14.0	11.0	0.6	AMPE 400V683J14S5_
0.1	5.5	19.0	10.5	0.6	AMPE 400V104J19S5_
0.15	6.5	19.0	11.0	0.6	AMPE 400V154J19S5_
0.22	7.0	19.0	14.0	0.6	AMPE 400V224J19S5_
0.33	7.5	27.0	13.0	0.6	AMPE 400V334J27S5_
0.47	8.5	27.0	17.0	0.8	AMPE 400V474J27S5_
0.68	8.5	33.0	16.5	0.8	AMPE 400V684J33S5_
1.0	9.0	33.0	19.0	0.8	AMPE 400V105J33S5_
1.5	13.0	38.0	20.0	0.8	AMPE 400V155J38S5_
2.2	16.0	44.0	24.0	0.8	AMPE 400V225J44S5_
3.3	16.0	44.0	26.0	0.8	AMPE 400V335J44S5_
4.7	18.0	48.0	28.0	0.8	AMPE 400V475J48S5_

630Vdc (220Vac)

Cap. (μ F)	Dimensions(Max)				PART NUMBER
	T	L	H	d	
0.01	5.0	14.0	8.0	0.6	AMPE 630V103J14S5_
0.015	5.5	14.0	9.0	0.6	AMPE 630V153J14S5_
0.022	6.0	14.0	9.0	0.6	AMPE 630V223J14S5_
0.033	6.0	19.0	10.0	0.6	AMPE 630V333J19S5_
0.047	6.0	19.0	10.0	0.6	AMPE 630V473J19S5_
0.068	7.0	19.0	11.5	0.6	AMPE 630V683J19S5_
0.1	8.0	19.0	12.0	0.6	AMPE 630V104J19S5_
0.15	8.0	27.0	14.0	0.6	AMPE 630V154J27S5_
0.22	9.0	27.0	15.0	0.8	AMPE 630V224J27S5_
0.33	10.0	33.0	15.0	0.8	AMPE 630V334J33S5_
0.47	11.5	33.0	19.0	0.8	AMPE 630V474J33S5_
0.68	13.0	38.0	20.0	0.8	AMPE 630V684J38S5_
1.0	16.0	38.0	23.0	0.8	AMPE 630V105J38S5_
1.5	20.0	38.0	28.0	0.8	AMPE 630V155J38S5_
2.2	22.0	38.0	30.0	0.8	AMPE 630V225J38S5_