

AMPP(ROUND)

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	1.0 % (max) at 1KHz , 1.5% (max) at 10KHz					
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 × μF for C > 0.33 μF 100 VDC 60SEC +20°C ±5°C					

■ Part Number System

RAMPP	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)-RAMPE

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)

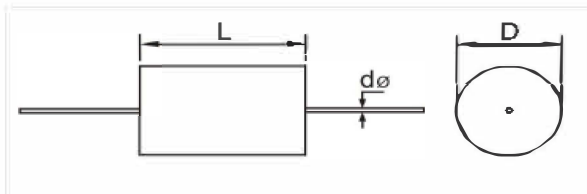
Part-6 : Forming -Type and Packing code

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



250Vdc (160Vac)				
Cap. (μ F)	Dimensions(Max)			PART NUMBER
	D	L	d	
0.01	5.5	14.0	0.6	RAMPP 250V103J14S5_
0.015	6.0	14.0	0.6	RAMPP 250V153J14S5_
0.022	7.0	14.0	0.6	RAMPP 250V223J14S5_
0.033	6.0	14.0	0.6	RAMPP 250V333J14S5_
0.047	6.5	14.0	0.6	RAMPP 250V473J14S5_
0.068	7.5	14.0	0.6	RAMPP 250V683J14S5_
0.1	8.0	14.0	0.6	RAMPP 250V104J14S5_
0.15	8.0	19.0	0.6	RAMPP 250V154J19S5_
0.22	9.0	19.0	0.8	RAMPP 250V224J19S5_
0.33	10.5	19.0	0.8	RAMPP 250V334J19S5_
0.47	10.5	25.0	0.8	RAMPP 250V474J25S5_
0.68	12.5	25.0	0.8	RAMPP 250V684J25S5_
1.0	12.5	25.0	0.8	RAMPP 250V105J25S5_
1.5	15.0	33.0	0.8	RAMPP 250V155J33S5_
2.2	17.0	33.0	0.8	RAMPP 250V225J33S5_
3.3	19.0	33.0	0.8	RAMPP 250V335J33S5_
4.7	20.5	28.0	0.8	RAMPP 250V475J28S5_
6.8	23.0	44.0	0.8	RAMPP 250V685J44S5_
10	26.0	44.0	0.8	RAMPP 250V106J44S5_

400Vdc (200Vac)				
Cap. (μ F)	Dimensions(Max)			PART NUMBER
	D	L	d	
0.01	5.5	14.0	0.6	RAMPP 400V103J14S5_
0.015	6.0	14.0	0.6	RAMPP 400V153J14S5_
0.022	7.0	14.0	0.6	RAMPP 400V223J14S5_
0.033	7.5	14.0	0.6	RAMPP 400V333J14S5_
0.047	8.0	14.0	0.6	RAMPP 400V473J14S5_
0.068	8.0	19.0	0.6	RAMPP 400V683J19S5_
0.1	8.5	19.0	0.8	RAMPP 400V104J19S5_
0.15	10.0	19.0	0.8	RAMPP 400V154J19S5_
0.22	9.5	27.0	0.8	RAMPP 400V224J27S5_
0.33	11.5	27.0	0.8	RAMPP 400V334J27S5_
0.47	13.0	27.0	0.8	RAMPP 400V474J27S5_
0.68	14.5	33.0	0.8	RAMPP 400V684J33S5_
1.0	17.5	33.0	0.8	RAMPP 400V105J33S5_
1.5	20.5	33.0	0.8	RAMPP 400V155J33S5_
2.2	22.0	38.0	0.8	RAMPP 400V225J38S5_
3.3	26.0	44.0	0.8	RAMPP 400V335J44S5_

630Vdc (250Vac)				
Cap. (μ F)	Dimensions(Max)			PART NUMBER
	D	L	d	
0.01	6.5	14.0	0.6	RAMPP 630V103J14S5_
0.015	7.0	14.0	0.6	RAMPP 630V153J14S5_
0.022	8.0	14.0	0.6	RAMPP 630V223J14S5_
0.033	8.0	19.0	0.6	RAMPP 630V333J19S5_
0.047	9.0	19.0	0.8	RAMPP 630V473J19S5_
0.068	10.5	19.0	0.8	RAMPP 630V683J19S5_
0.1	11.5	27.0	0.8	RAMPP 630V104J27S5_
0.15	13.0	27.0	0.8	RAMPP 630V154J27S5_
0.22	13.0	33.0	0.8	RAMPP 630V224J33S5_
0.33	16.0	33.0	0.8	RAMPP 630V334J33S5_
0.47	18.0	33.0	0.8	RAMPP 630V474J33S5_
0.68	20.0	33.0	0.8	RAMPP 630V684J33S5_
1.0	21.0	38.0	0.8	RAMPP 630V105J38S5_
1.5	22.0	44.0	0.8	RAMPP 630V155J44S5_
2.2	27.0	44.0	0.8	RAMPP 630V225J44S5_