

Metallized Polypropylene Film Capacitor Epoxy Coated

AMPP Series

MERITEK

FEATURES

- Operating temperature: -40°C ~ +105°C
- Non-Inductive Wound Construction
- Good Self-Healing Properties
- Withstanding Overvoltage Stressing
- Long Stability of Capacitance
- Flame Retardant Epoxy Resin Coating UL V-0



PART NUMBERING SYSTEM

AMPP 105 J 160V 15
(1) (2) (3) (4) (5)



No	item	Code	Description	Series Reference
(1)	Meritek Series	AMPP	Metallized Polypropylene Film Capacitor	Epoxy Coated Type
(2)	Capacitance	105	105: 1 μ F	First two digit: Significant, Third: Multiplier
(3)	Tolerance	J	J: \pm 5%	-5% ~ +5%
(4)	Rated Voltage	160V	160VAC: 160VAC	AC Voltage Code
(5)	Internal Code	15	15: 15.0mm Pitch	Internal Control or Project Reference

ELECTRICAL CHARACTERISTICS

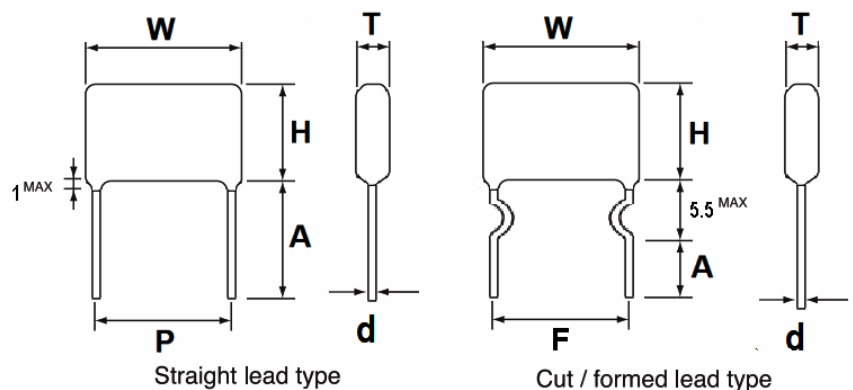
Item	Description	
Capacitance Range	0.010 ~ 4.7 μ F	
Capacitance Tolerance	\pm 5%(J), \pm 10%(K), \pm 20%(M)	
Rated AC Voltage- 50/60Hz	160, 230, 250, 275/300VAC	
Maximum Continuous DC Voltage	250, 400, 560, 630 VDC	
Operating Temperature Range	-40°C~+105°C Derating ratio of rated voltage to +85 ~ +105°C : 1.25% per °C for rated voltage	
Dissipation Factor (tan δ)	\leq 0.1% at +25°C, 1KHz	
Insulation Resistance- Between Terminals	C \leq 0.33 μ F	\geq 15,000M Ω
	C > 0.33 μ F	\geq 5,000s
Withstand Voltage- Between Terminals	1.5 x Rated Voltage x 1.414(VDC) for 60 sec.	

DIMENSION

P (mm)	d (mm)
7.5	0.6
10.0	0.6
15.0	0.8
20.0	0.8
22.5	0.8
25.0	0.8
27.5	0.8

Note:

1. WxHxT (mm) See the table below
2. Standard lead length A: 15mm min.
3. Contact Meritek for other available options for lead forming (F)



Metallized Polypropylene Film Capacitor Epoxy Coated

AMPP Series

MERITEK

DIMENSION

160VAC (250VDC)							230VAC (400VDC)						
Cap(μF)	%	W	H	T	P	d	Cap(μF)	%	W	H	T	P	d
0.22	J, K, M	12.5	11.0	6.0	10.0	0.6	0.03	J,K,M	10.0	12.0	6.0	7.5	0.6
0.27	J, K, M	12.5	11.5	6.5	10.0	0.6	0.03	J,K,M	12.5	9.0	5.0	10.0	0.6
0.33	J, K, M	12.5	12.5	7.0	10.0	0.6	0.05	J,K,M	10.0	12.0	6.0	7.5	0.6
0.39	J, K, M	12.5	13.0	7.5	10.0	0.6	0.05	J,K,M	12.5	10.0	5.5	10.0	0.6
0.47	J, K, M	12.5	13.5	8.5	10.0	0.6	0.07	J,K,M	12.5	11.0	6.0	10.0	0.6
0.56	J, K, M	12.5	14.0	9.0	10.0	0.6	0.10	J,K,M	12.5	12.0	7.0	10.0	0.6
0.47	J, K, M	17.5	12.0	7.0	15.0	0.8	0.10	J,K,M	17.5	10.5	5.5	15.0	0.8
0.56	J, K, M	17.5	12.5	7.5	15.0	0.8	0.15	J,K,M	17.5	11.0	6.5	15.0	0.8
0.68	J, K, M	17.5	13.0	8.0	15.0	0.8	0.22	J,K,M	17.5	12.0	7.5	15.0	0.8
0.82	J, K, M	17.5	13.5	8.5	15.0	0.8	0.22	J,K,M	23.0	11.0	6.5	20.0	0.8
1.00	J, K, M	17.5	14.5	9.5	15.0	0.8	0.33	J,K,M	17.5	14.5	9.0	15.0	0.8
1.20	J, K, M	17.5	16.5	9.5	15.0	0.8	0.33	J,K,M	23.0	12.5	7.5	20.0	0.8
1.50	J, K, M	17.5	17.5	10.5	15.0	0.8	0.33	J,K,M	25.0	13.0	6.5	22.5	0.8
1.80	J, K, M	17.5	18.5	11.5	15.0	0.8	0.39	J,K,M	17.5	14.5	9.5	15.0	0.8
2.00	J, K, M	17.5	19.0	12.5	15.0	0.8	0.39	J,K,M	23.0	13.0	8.0	20.0	0.8
2.20	J, K, M	17.5	19.5	13.0	15.0	0.8	0.39	J,K,M	25.0	13.5	7.0	22.5	0.8
							0.47	J,K,M	17.5	15.0	10.5	15.0	0.8
							0.47	J,K,M	23.0	14.5	8.0	20.0	0.8
							0.47	J,K,M	25.0	14.0	7.5	22.5	0.8
							0.47	J,K,M	30.0	14.5	6.6	27.5	0.8
							0.56	J,K,M	23.0	15.0	9.0	20.0	0.8
							0.56	J,K,M	25.0	15.5	8.5	22.5	0.8
							0.56	J,K,M	30.0	15.0	7.0	27.5	0.8
							0.68	J,K,M	23.0	16.0	9.5	20.0	0.8
							0.68	J,K,M	25.0	15.5	9.0	22.5	0.8
							0.68	J,K,M	30.0	16.5	7.5	27.5	0.8
							1.00	J,K,M	23.0	19.0	11.0	20.0	0.8
							1.00	J,K,M	25.0	18.0	10.5	22.5	0.8
							1.00	J,K,M	30.0	17.0	9.0	27.5	0.8
							1.50	J,K,M	25.0	21.5	12.5	22.5	0.8
							1.50	J,K,M	30.0	20.0	10.5	27.5	0.8
							2.00	J,K,M	30.0	24.5	11.0	27.5	0.8
							2.20	J,K,M	30.0	25.0	11.5	27.5	0.8
							3.00	J,K,M	30.0	27.5	14.0	27.5	0.8
							3.30	J,K,M	30.0	27.5	14.5	27.5	0.8
							4.00	J,K,M	30.0	29.0	16.5	27.5	0.8
							4.70	J,K,M	30.0	31.5	18.0	27.5	0.8

Unit: mm

Metallized Polypropylene Film Capacitor Epoxy Coated

AMPP Series

MERITEK

DIMENSION

250VAC (560VDC)							275/300VAC (630VDC)						
Cap(μF)	%	W	H	T	P	d	Cap(μF)	%	W	H	T	P	d
0.01	J,K,M	12.5	8.0	4.0	10.0	0.6	0.10	J,K,M	17.5	14.5	9.0	15.0	0.8
0.02	J,K,M	12.5	8.0	5.0	10.0	0.6	0.15	J,K,M	17.5	15.5	10.5	15.0	0.8
0.02	J,K,M	12.5	9.0	5.0	10.0	0.6	0.22	J,K,M	17.5	18.5	12.0	15.0	0.8
0.03	J,K,M	12.5	10.0	5.5	10.0	0.6	0.10	J,K,M	23.0	12.0	7.5	20.0	0.8
0.05	J,K,M	12.5	11.5	6.0	10.0	0.6	0.15	J,K,M	23.0	14.5	9.0	20.0	0.8
0.07	J,K,M	12.5	12.5	7.0	10.0	0.6	0.22	J,K,M	23.0	16.0	10.0	20.0	0.8
0.07	J,K,M	17.5	10.0	5.5	15.0	0.8	0.33	J,K,M	23.0	18.0	12.0	20.0	0.8
0.10	J,K,M	17.5	11.0	6.5	15.0	0.8	0.10	J,K,M	25.0	12.0	7.0	22.5	0.8
0.15	J,K,M	17.5	12.0	7.5	15.0	0.8	0.15	J,K,M	25.0	13.0	8.5	22.5	0.8
0.15	J,K,M	23.0	11.0	6.5	20.0	0.8	0.22	J,K,M	25.0	16.5	9.0	22.5	0.8
0.22	J,K,M	17.5	13.5	8.5	15.0	0.8	0.33	J,K,M	25.0	17.5	11.0	22.5	0.8
0.22	J,K,M	23.0	12.0	7.5	20.0	0.8	0.39	J,K,M	25.0	19.0	11.5	22.5	0.8
0.22	J,K,M	25.0	13.5	6.5	22.5	0.8	0.47	J,K,M	25.0	20.5	12.5	22.5	0.8
0.33	J,K,M	17.5	15.0	10.5	15.0	0.8	0.22	J,K,M	28.0	15.0	8.5	25.0	0.8
0.33	J,K,M	23.0	14.5	8.0	20.0	0.8	0.27	J,K,M	28.0	16.0	9.5	25.0	0.8
0.33	J,K,M	25.0	14.0	7.5	22.5	0.8	0.33	J,K,M	28.0	17.5	10.5	25.0	0.8
0.39	J,K,M	23.0	15.0	8.0	20.0	0.8	0.39	J,K,M	28.0	18.5	11.0	25.0	0.8
0.39	J,K,M	25.0	15.5	8.0	22.5	0.8	0.47	J,K,M	28.0	20.5	11.5	25.0	0.8
0.47	J,K,M	23.0	16.0	9.5	20.0	0.8	0.56	J,K,M	28.0	21.5	12.5	25.0	0.8
0.47	J,K,M	25.0	16.0	9.0	22.5	0.8	0.68	J,K,M	28.0	22.0	14.0	25.0	0.8
0.47	J,K,M	30.0	15.5	7.5	27.5	0.8	0.82	J,K,M	28.0	24.0	14.5	25.0	0.8
0.56	J,K,M	23.0	17.5	10.5	20.0	0.8	1.00	J,K,M	28.0	26.0	16.5	25.0	0.8
0.56	J,K,M	25.0	16.0	9.5	22.5	0.8							
0.56	J,K,M	30.0	16.0	8.0	27.5	0.8							
0.68	J,K,M	23.0	19.5	10.0	20.0	0.8							
0.68	J,K,M	25.0	18.0	10.0	22.5	0.8							
0.68	J,K,M	30.0	17.5	9.0	27.5	0.8							
1.00	J,K,M	25.0	20.0	12.0	22.5	0.8							
1.00	J,K,M	30.0	19.5	10.5	27.5	0.8							
1.50	J,K,M	30.0	24.0	11.5	27.5	0.8							
2.00	J,K,M	30.0	26.0	13.5	27.5	0.8							
2.20	J,K,M	30.0	27.5	14.0	27.5	0.8							
3.00	J,K,M	30.0	29.5	16.5	27.5	0.8							
3.30	J,K,M	30.0	30.0	17.5	27.5	0.8							
4.00	J,K,M	30.0	32.0	19.5	27.5	0.8							

Unit: mm

*Specifications subject to change without notice.