Metallized Polyester Film Capacitors-Reduced Size

DMPE-RS Series
(Radial Dipped)

MERITEK

FEATURES

- High moisture resistance
- Good solderability
- Non-inductive construction
- Self-healing properties

SPECIFICATIONS

1. Operating temperature: -40℃ to +85 ℃
2. Capacitance range: 0.01μF to 10μF
3. Capacitance tolerance: ±2%(G), ±5%(J), ±10%(K), ±20%(M)
4. Rated voltage: 100VDC, 250VDC, 400VDC, 630VDC
5. Dissipation factor: 1.0% max. at 1KHz, 25℃
6. Insulation resistance: >30000MΩ (C ≤ 0.33μF)
   >10000MΩ • μF (C > 0.33μF)

DMPE are constructed with metallized polyester film dielectric, tinned copper leads, and an epoxy resin coating. Applications include blocking, coupling and decoupling, filtering, and bypassing. They are ideal for use in telecommunication equipment, industrial instruments, automatic control systems, and other electronic apparatus.

PART NUMBERING SYSTEM

DMPE 684 K 2G -RS

Meritek Series

Capacitance

CODE	103	104	105	106
(pF)	10,000	100,000		
(nF)	10	100	1000	
(μF)	0.01	0.1	1	10

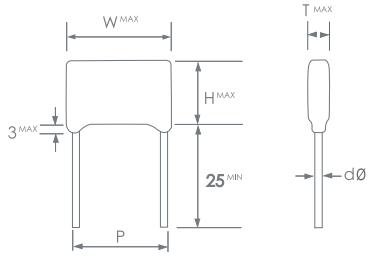
Tolerance

CODE	G	J	K	M
Tolerance	±2	±5	±10	±20

Rated Voltage

CODE	2A	2E	2G	2J
	100V	250V	400V	630V

Reduced Size



Rated Voltage	100VDC (2A)					250VDC (2E)					400VDC (2G)					630VDC (2J)				
DIM. / CAP(μF)	W	H	T	P±1	dØ	W	H	T	P±1	dØ	W	H	T	P±1	dØ	W	H	T	P±1	dØ
0.010						10.3	7.4	4.3	7.5	0.6	10.3	7.4	4.3	7.5	0.6	12.0	7.5	4.5	10.0	0.6
0.012						10.3	7.5	4.4	7.5	0.6	10.3	7.5	4.4	7.5	0.6	12.0	7.8	4.5	10.0	0.6
0.015						10.3	7.5	4.4	7.5	0.6	10.3	7.5	4.4	7.5	0.6	12.0	8.2	5.0	10.0	0.6
0.018						10.3	7.5	4.4	7.5	0.6	10.3	7.5	4.4	7.5	0.6	12.0	10.0	4.9	10.0	0.6
0.022						10.3	7.5	4.4	7.5	0.6	10.3	7.9	4.8	7.5	0.6	12.0	10.5	5.3	10.0	0.6
0.027						10.3	7.5	4.4	7.5	0.6	10.3	8.0	5.5	7.5	0.6	12.0	10.9	5.5	10.0	0.6
0.033						10.3	7.5	4.5	7.5	0.6	10.3	9.0	6.0	7.5	0.6	12.0	11.9	6.0	10.0	0.6
0.039						10.3	7.5	4.5	7.5	0.6	12.0	8.0	4.9	10.0	0.6	12.0	13.4	6.0	10.0	0.6
0.047						10.3	7.5	4.5	7.5	0.6	12.0	8.3	5.0	10.0	0.6	12.0	13.5	6.5	10.0	0.6
0.056						10.3	7.9	4.8	7.5	0.6	12.0	10.0	5.0	10.0	0.6	18.5	10.5	5.4	15.0	0.6
0.068						10.3	7.5	4.5	7.5	0.6	12.0	10.5	5.4	10.0	0.6	18.5	11.0	5.8	15.0	0.6
0.082						10.3	8.0	4.9	7.5	0.6	12.0	11.0	5.8	10.0	0.6	18.5	12.0	6.5	15.0	0.6
0.1						10.3	8.4	5.8	7.5	0.6	12.0	12.0	6.3	10.0	0.6	18.5	14.0	6.3	15.0	0.6
0.12						10.3	9.0	6.0	7.5	0.6	18.5	10.0	5.0	15.0	0.6	18.5	14.5	6.3	15.0	0.8
0.15						10.3	10.8	6.0	7.5	0.6	18.5	12.4	5.0	15.0	0.6	18.5	15.4	7.5	15.0	0.8
0.18						12.0	10.3	5.0	10.0	0.6	18.5	12.5	5.4	15.0	0.6	18.5	16.0	8.0	15.0	0.8
0.22						12.0	10.5	5.5	10.0	0.6	18.5	13.0	5.9	15.0	0.6	18.5	16.5	9.0	15.0	0.8
0.27						12.0	11.5	6.0	10.0	0.6	18.5	14.3	6.5	15.0	0.8	26.0	16.5	7.0	22.5	0.8
0.33						12.0	12.0	6.5	10.0	0.6	18.5	14.9	7.0	15.0	0.8	26.0	17.0	7.8	22.5	0.8
0.39						18.5	12.0	4.9	15.0	0.6	18.5	15.4	7.5	15.0	0.8	26.0	17.9	8.5	22.5	0.8
0.47						18.5	12.5	5.3	15.0	0.6	18.5	17.0	7.8	15.0	0.8	26.0	18.5	9.3	22.5	0.8
0.56	12.0	10.9	5.5	10.0	0.6	18.5	13.0	5.5	15.0	0.6	26.0	16.0	6.5	22.5	0.8	26.0	20.0	10.0	22.5	0.8
0.68	12.0	11.9	6.0	10.0	0.6	18.5	13.5	6.0	15.0	0.8	26.0	16.5	7.0	22.5	0.8	26.0	21.0	11.5	22.5	0.8
0.82	12.0	13.5	6.0	10.0	0.6	18.5	14.5	6.5	15.0	0.8	26.0	17.3	7.9	22.5	0.8	31.0	20.5	11.3	27.5	0.8
1.0	12.0	14.0	6.7	10.0	0.6	18.5	15.0	7.4	15.0	0.8	26.0	18.0	8.5	22.5	0.8	31.0	21.9	12.5	27.5	0.8
1.2	18.5	12.8	5.5	15.0	0.6	18.5	15.9	8.0	15.0	0.8	26.0	18.9	9.5	22.5	0.8	31.0	23.0	13.5	27.5	0.8
1.5	18.5	13.4	6.0	15.0	0.8	18.5	16.8	9.0	15.0	0.8	31.0	19.0	9.5	27.5	0.8	31.0	24.7	16.3	27.5	0.8
1.8	18.5	14.4	6.5	15.0	0.8	26.0	15.5	7.5	22.5	0.8	31.0	20.5	11.0	27.5	0.8	31.0	27.0	16.8	27.5	0.8
2.2	18.5	15.0	7.0	15.0	0.8	26.0	16.3	8.5	22.5	0.8	31.0	22.0	11.0	27.5	0.8	31.0	29.0	19.5	27.5	0.8
2.7	18.5	15.8	8.0	15.0	0.8	26.0	17.0	9.4	22.5	0.8										
3.3	18.5	16.5	8.5	15.0	0.8	26.0	18.0	10.3	22.5	0.8										
3.9	26.0	16.4	7.0	22.5	0.8	26.0	20.5	11.0	22.5	0.8										
4.7	26.0	17.0	7.5	22.5	0.8	26.0	21.5	12.0	22.5	0.8										
5.6	26.0	17.5	8.3	22.5	0.8	31.0	21.0	11.8	27.5	0.8										
6.8	26.0	18.5	9.0	22.5	0.8	31.0	22.4	13.0	27.5	0.8										
8.2	26.0	20.0	10.0	22.5	0.8	31.0	23.5	14.3	27.5	0.8										
10	26.0	21.0	11.5	22.5	0.8	31.0	25.8	15.9	27.5	0.8										