Polyester Film Capacitors

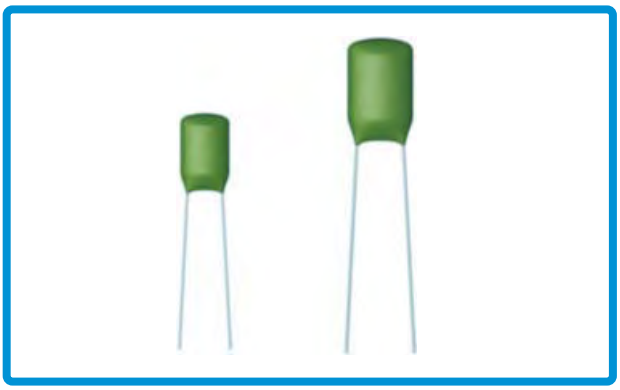
RoHS

PEI Series (Inductive)

MERITEK

FEATURES

- High moisture resistance
- Good solderability
- Available on tape and reel for automatic insertion
- ESR is minimized



SPECIFICATIONS

1. Operating temperature: -40°C to +105°C
2. Capacitance range: 0.001μF to 0.47μF
3. Capacitance tolerance: ±5%(J), ±10%(K), ±20%(M)
4. Rated voltage: 50VDC, 100VDC, 250VDC, 400VDC
5. Dissipation factor: 1.0% max. at 1KHz, 25°C
6. Insulation resistance: >20000MΩ (C ≤ 0.1μF)
   >2000MΩ • μF (C > 0.1 μF)

PEI are constructed with polyester film dielectric, aluminum foil electrodes, tinned copper leads, and an inductive epoxy resin coating. They are suitable for signal coupling, circuit isolation, bypassing, and filtering and other applications. PEI are ideal for use in televisions, radio, tape recorders, stereo equipment, and other electronic devices.

PART NUMBERING SYSTEM

PEI 153 J 2A TA

Meritek Series

Capacitance

CODE	102	103	104	105
(pF)	1,000	10,000	100,000	
(nF)	1	10	100	1000
(μF)	0.001	0.01	0.1	1

Tolerance

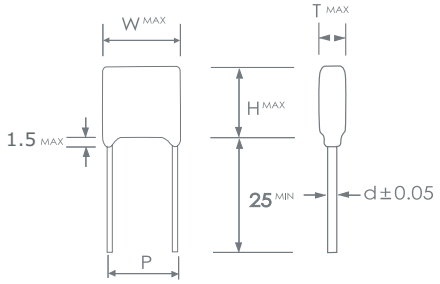
CODE	J	K	M
Tolerance (%)	± 5	± 10	± 20

Rated Voltage

CODE	1H	2A	2E	2G
	50V	100V	250V	400V

Packaging

CODE	Blank	TR	TA
	Bulk	Tape & Reel	Tape & Ammo



Dimensions in millimeters (mm)

Rated Voltage	50VDC/100VDC					250VDC					400VDC				
DIM. / CAP(μF)	W	H	T	P± 1	dØ	W	H	T	P± 1	dØ	W	H	T	P± 1	dØ
0.0010	6.0	11.0	4.0	3.5	0.5	6.0	11.0	4.0	3.5	0.5	7.0	11.5	4.0	4.0	0.5
0.0012	6.0	11.0	4.0	3.5	0.5	6.0	11.0	4.0	3.5	0.5	7.2	12.0	4.0	4.0	0.5
0.0015	6.0	11.0	4.0	3.5	0.5	6.0	11.0	4.0	3.5	0.5	7.2	12.0	4.0	4.0	0.5
0.0018	6.0	11.0	4.0	3.5	0.5	6.0	11.0	4.0	3.5	0.5	7.5	12.5	4.0	4.0	0.5
0.0022	6.0	11.0	4.0	3.5	0.5	6.0	11.0	4.0	3.5	0.5	7.5	12.5	4.0	4.0	0.5
0.0027	7.0	11.0	4.0	3.5	0.5	7.0	11.0	4.0	3.5	0.5	8.0	13.0	4.5	6.0	0.5
0.0033	7.0	11.0	4.0	3.5	0.5	7.0	11.0	4.0	3.5	0.5	8.0	13.0	4.5	6.0	0.5
0.0039	7.0	11.0	4.0	4.0	0.5	7.0	11.0	4.0	4.0	0.5	9.0	14.0	5.0	6.0	0.5
0.0047	7.0	11.0	4.0	4.0	0.5	7.0	11.0	4.0	4.0	0.5	9.0	14.0	5.0	6.0	0.5
0.0056	7.0	11.0	4.0	4.0	0.5	7.0	11.0	4.0	4.0	0.5	9.5	14.0	5.5	6.0	0.5
0.0068	7.0	11.0	4.0	4.0	0.5	7.0	11.0	4.0	4.0	0.5	9.5	14.0	5.5	6.0	0.5
0.0082	7.0	11.0	4.0	4.0	0.5	7.0	11.0	4.0	4.0	0.5	10.5	15.0	6.7	7.0	0.5
0.010	7.0	11.0	4.0	4.0	0.5	7.0	11.0	4.0	5.0	0.5	10.5	15.0	6.7	7.0	0.5
0.012	7.0	11.0	4.0	4.0	0.5	8.0	13.5	4.5	5.0	0.5	12.0	15.5	8.0	7.0	0.5
0.015	8.0	11.0	4.0	4.0	0.5	8.0	13.5	4.5	5.0	0.5	12.0	15.5	8.0	7.0	0.5
0.018	8.0	11.0	4.0	4.0	0.5	9.0	14.0	6.0	6.5	0.5	12.0	18.5	8.0	7.0	0.6
0.022	8.0	12.0	4.0	5.0	0.5	9.0	14.0	6.0	6.5	0.5	12.0	18.5	8.0	7.0	0.6
0.027	8.0	12.0	4.0	5.0	0.5	10.0	15.0	6.5	6.5	0.5	13.5	21.0	8.0	9.0	0.6
0.033	9.0	13.0	4.5	5.5	0.5	10.0	15.0	6.5	6.5	0.5	13.5	21.0	8.0	9.0	0.6
0.039	9.0	13.0	5.0	6.0	0.5	12.5	17.5	8.5	6.5	0.6	15.5	22.0	9.5	9.0	0.6
0.047	10.0	13.0	5.0	6.0	0.5	12.5	17.5	8.5	6.5	0.6	15.5	22.0	9.5	9.0	0.6
0.056	10.0	13.5	5.5	6.0	0.5	13.8	21.0	8.5	7.5	0.6	17.5	23.5	11.5	9.0	0.6
0.068	10.0	13.5	6.0	6.5	0.5	13.8	21.0	8.5	7.5	0.6	17.5	23.5	11.5	9.0	0.6
0.082	11.0	13.5	6.0	7.0	0.5	16.0	22.0	9.5	8.5	0.6	19.0	24.5	11.0	11.5	0.6
0.10	11.0	14.0	6.5	7.5	0.5	16.0	22.0	9.5	8.5	0.6	19.0	24.5	11.0	11.5	0.6
0.12	13.0	14.0	6.5	9.0	0.6										
0.15	13.0	15.0	7.0	9.0	0.6										
0.18	14.0	16.0	7.0	9.5	0.6										
0.22	14.0	17.0	7.5	9.5	0.6										
0.27	15.0	17.0	9.0	9.5	0.6										
0.33	16.5	19.0	9.5	10.0	0.6										
0.39	17.0	20.0	10.5	10.0	0.6										
0.47	17.0	21.0	11.0	10.0	0.6										