

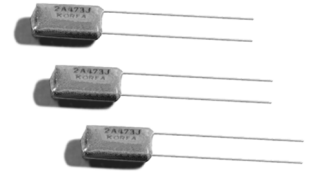


Polyester Film Capacitors

PEI Series

FEATURES

- High moisture resistance
- Wide operating temperature range
- Leads are electrically welded to electrodes
- Conformally coated with flame retardant epoxy resin
- RoHS Compliant



CHARACTERISTICS

Item	Characteristics
Operating Temperature Range	-40°C ~ +85°C
Capacitance Tolerance	±3%, ±5%, ±10%
Standard Working Voltage (WV)	100, 250, 400
Withstanding Voltage	Working Voltage x 2.5 (5 sec.)
Dissipation Factor	.75% max. (1KHz), 25°C
Insulation Resistance	50,000MΩ @ 25°C
High Temperature Stability	Capacitance change +5% ~ 0% @ +85°C; Insulation resistance: 1,500MΩ min.
Low Temperature Stability	Capacitance change +5% ~ 0% @ -40°C; Insulation resistance: 1,500MΩ min.
Solder Temperature	265 ± 5°C, Immersion time: 10±0.5 sec.
Lead Material	Solder plated annealed copper covered steel wire

PART NUMBERING SYSTEM

1	4	0	-	P	E	I	-	2	A	1	0	2	-	J	-	R	C
Prefix				Series				Voltage		Capacitance (pF)			Tolerance		RoHS		

1st digit
1

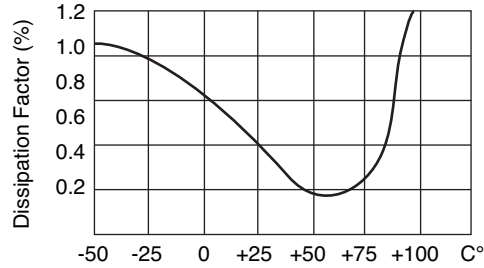
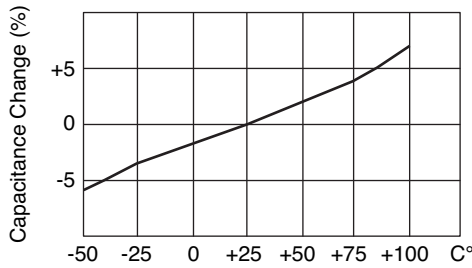
2nd digit
0

ø's
2

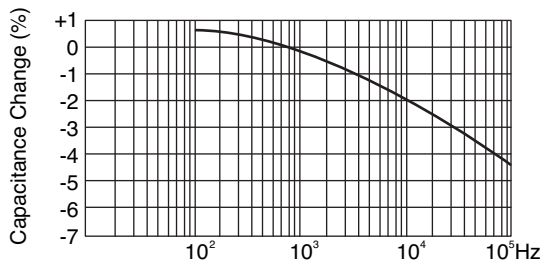
Voltage (WV) Code:
2A = 100
2D = 250
2G = 400

Tolerance Code:
G = ±3%
J = ±5%
K = ±10%

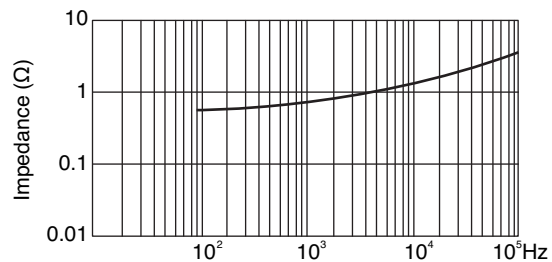
TEMPERATURE CHARACTERISTICS CHARTS



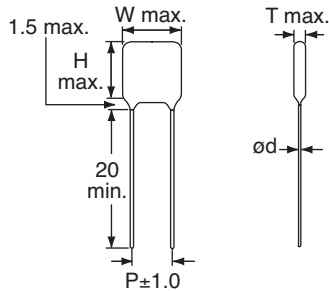
FREQUENCY CHARACTERISTIC CHART



IMPEDANCE-FREQUENCY CHARACTERISTIC (Ω) CHART



■ DIMENSIONS



Value Code	Value (μF)	Working Voltage (WV): 250		
		W x H x T (±1mm)	P (±1mm)	ød
102	0.0010	5.0 x 9.5 x 2.5	3.5	0.5
122	0.0012	5.0 x 9.5 x 2.5	3.5	0.5
152	0.0015	5.0 x 9.5 x 2.5	3.5	0.5
182	0.0018	5.0 x 9.5 x 2.5	3.5	0.5
202	0.002	5.0 x 9.5 x 2.5	3.5	0.5
222	0.0022	5.0 x 9.5 x 2.5	3.5	0.5
272	0.0027	5.0 x 9.5 x 2.5	3.5	0.5
332	0.0033	5.0 x 9.5 x 2.5	4.0	0.5
392	0.0039	5.0 x 9.5 x 2.5	4.0	0.5
472	0.0047	5.5 x 9.5 x 2.5	4.0	0.5
562	0.0056	5.5 x 9.5 x 3.0	4.0	0.5
682	0.0068	6.0 x 9.5 x 3.0	4.0	0.5
822	0.0082	6.0 x 9.5 x 3.0	4.0	0.5
103	0.010	5.5 x 9.5 x 3.0	4.0	0.5
123	0.012	6.0 x 9.5 x 3.0	4.0	0.5
153	0.015	6.5 x 9.5 x 3.5	5.0	0.5
183	0.018	6.5 x 9.5 x 3.5	5.0	0.5
203	0.020	6.5 x 10.0 x 4.0	5.0	0.5
223	0.022	7.0 x 10.0 x 4.0	5.0	0.5
273	0.027	7.5 x 10.0 x 4.5	5.0	0.5
333	0.033	7.0 x 11.5 x 3.5	5.0	0.5
393	0.039	7.5 x 12.0 x 4.0	5.0	0.5
403	0.040	7.5 x 12.0 x 4.0	5.0	0.5
473	0.047	7.5 x 12.0 x 4.0	5.0	0.5
563	0.056	8.0 x 12.5 x 4.5	6.0	0.5
683	0.068	8.5 x 12.0 x 5.0	6.5	0.5
823	0.082	9.0 x 12.5 x 5.0	6.5	0.5
104	0.10	10.0 x 12.5 x 5.0	7.0	0.5
124	0.12	10.5 x 13.0 x 6.0	7.0	0.5
224	0.22	13.0 x 13.5 x 7.5	8.0	0.5

Value Code	Value (μF)	Working Voltage (WV): 100		
		W x H x T (±1mm)	P (±1mm)	ød
102	0.0010	5.0 x 9.5 x 2.5	3.5	0.5
122	0.0012	5.0 x 9.5 x 2.5	3.5	0.5
152	0.0015	5.0 x 9.5 x 2.5	3.5	0.5
182	0.0018	5.0 x 9.5 x 2.5	3.5	0.5
202	0.002	5.0 x 9.5 x 2.5	3.5	0.5
222	0.0022	5.0 x 9.5 x 2.5	3.5	0.5
272	0.0027	5.0 x 9.5 x 2.5	3.5	0.5
332	0.0033	5.0 x 9.5 x 2.5	4.0	0.5
392	0.0039	5.0 x 9.5 x 2.5	4.0	0.5
472	0.0047	5.5 x 9.5 x 2.5	4.0	0.5
562	0.0056	5.5 x 9.5 x 3.0	4.0	0.5
682	0.0068	6.0 x 9.5 x 3.0	4.0	0.5
822	0.0082	6.0 x 9.5 x 3.0	4.0	0.5
103	0.010	6.5 x 9.5 x 3.0	4.0	0.5
123	0.012	6.0 x 9.5 x 3.0	4.0	0.5
153	0.015	6.5 x 9.5 x 3.5	5.0	0.5
183	0.018	6.5 x 9.5 x 3.5	5.0	0.5
203	0.020	6.5 x 10.0 x 4.0	5.0	0.5
223	0.022	7.0 x 10.0 x 4.0	5.0	0.5
273	0.027	7.5 x 10.0 x 4.5	5.0	0.5
333	0.033	7.0 x 11.5 x 3.5	5.0	0.5
393	0.039	7.5 x 12.0 x 4.0	5.0	0.5
403	0.040	7.5 x 12.0 x 4.0	5.0	0.5
473	0.047	7.5 x 12.0 x 4.0	5.0	0.5
563	0.056	8.0 x 12.5 x 4.5	6.0	0.5
683	0.068	8.5 x 12.0 x 5.0	6.5	0.5
823	0.082	9.0 x 12.5 x 5.0	6.5	0.5
104	0.10	9.5 x 12.5 x 5.0	7.0	0.5
124	0.12	9.5 x 12.5 x 5.0	7.0	0.5
154	0.15	10.0 x 12.5 x 5.5	7.5	0.5
184	0.18	10.5 x 13.0 x 6.5	7.5	0.5
224	0.22	11.0 x 13.0 x 7.0	7.5	0.5
274	0.27	12.0 x 14.5 x 7.5	7.5	0.5
334	0.33	12.0 x 15.5 x 8.0	8.0	0.5
394	0.39	12.5 x 15.5 x 8.0	8.0	0.5
474	0.47	14.5 x 15.5 x 9.0	8.5	0.5

Value Code	Value (μF)	Working Voltage (WV): 400		
		W x H x T (±1mm)	P (±1mm)	ød
102	0.0010	5.0 x 9.5 x 2.5	3.5	0.5
122	0.0012	5.0 x 9.5 x 2.5	3.5	0.5
152	0.0015	5.0 x 9.5 x 2.5	3.5	0.5
182	0.0018	5.0 x 9.5 x 2.5	3.5	0.5
202	0.0020	5.0 x 9.5 x 2.5	3.5	0.5
222	0.0022	5.0 x 9.5 x 2.5	3.5	0.5
272	0.0027	5.0 x 9.5 x 2.5	3.5	0.5
332	0.0033	5.0 x 9.5 x 2.5	4.0	0.5
392	0.0039	5.0 x 9.5 x 2.5	4.0	0.5
472	0.0047	5.5 x 9.5 x 2.5	4.0	0.5
562	0.0056	5.5 x 9.5 x 3.0	4.0	0.5
682	0.0068	6.0 x 9.5 x 3.0	4.0	0.5
822	0.0082	6.0 x 9.5 x 3.0	4.0	0.5
103	0.010	6.5 x 11.5 x 3.0	4.5	0.5
123	0.012	6.5 x 11.5 x 3.5	5.0	0.5
153	0.015	7.0 x 12.0 x 4.5	6.0	0.5
183	0.018	7.5 x 12.0 x 4.5	6.0	0.5
203	0.020	7.5 x 12.0 x 4.5	6.0	0.5
223	0.022	8.5 x 12.5 x 4.5	7.0	0.5
273	0.027	9.5 x 12.5 x 5.0	7.0	0.5
333	0.033	9.5 x 12.5 x 5.0	7.0	0.5
393	0.039	9.5 x 12.5 x 5.0	7.0	0.5
473	0.047	10.5 x 12.5 x 6.0	7.5	0.5
563	0.056	11.0 x 13.0 x 7.0	8.0	0.5
683	0.068	11.5 x 12.5 x 7.0	8.0	0.5
104	0.1	11.5 x 16.0 x 7.5	8.0	0.5