

# Polypropylene Film Capacitors

PPL Series  
(Inductive)

MERITEK

## FEATURES

- Low dissipation factor (DF) and high insulation resistance
- High stability and reliability
- ESR minimized by spot-welding of electrodes and lead wires
- Epoxy resin coating enhances mechanical strength and moisture resistance
- Heat resistance: 240°C ±10 (5 seconds)

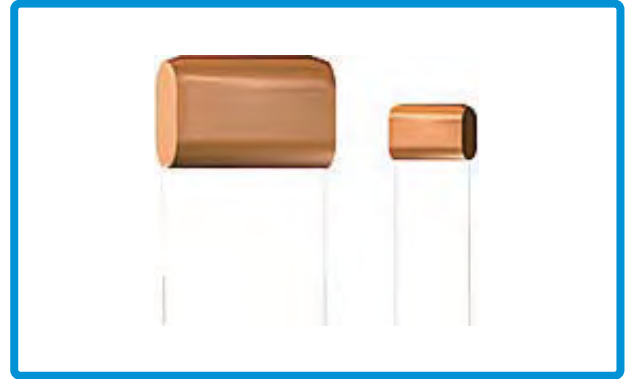
## SPECIFICATIONS

1. Operating temperature: -40°C to +85°C
2. Capacitance range: 0.001μF to 0.47μF
3. Capacitance tolerance: ±5%(J), ±10%(K), ±20%(M)
4. Rated voltage: 50VDC, 100VDC, 200VDC, 250VDC
5. Dissipation factor: 0.1% max. at 1KHz, 25°C
6. Insulation resistance: ≥20000MΩ (C ≤ .1μF)  
≥2000MΩ • μF (C > .1μF)

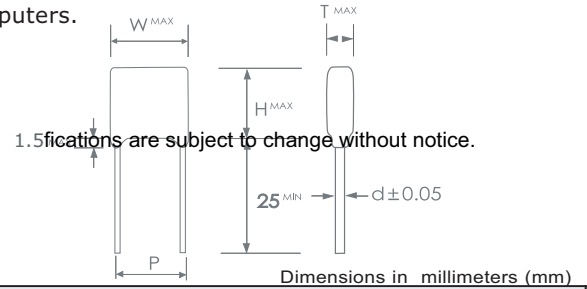
## PART NUMBERING SYSTEM

Meritek Series	PPL	332	J	2A																												
Capacitance	<table border="1"> <tr> <th>CODE</th> <th>101</th> <th>102</th> <th>103</th> <th>104</th> <th>105</th> <th>106</th> </tr> <tr> <td>(pF)</td> <td>100</td> <td>1,000</td> <td>10,000</td> <td>100,000</td> <td></td> <td></td> </tr> <tr> <td>(nF)</td> <td>---</td> <td>1</td> <td>10</td> <td>100</td> <td>1000</td> <td></td> </tr> <tr> <td>(μF)</td> <td>---</td> <td>0.001</td> <td>0.01</td> <td>0.1</td> <td>1</td> <td>10</td> </tr> </table>				CODE	101	102	103	104	105	106	(pF)	100	1,000	10,000	100,000			(nF)	---	1	10	100	1000		(μF)	---	0.001	0.01	0.1	1	10
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Tape & Reel/Tape & Ammo available  
Please contact Factory for part numbers



PPL are constructed with polypropylene film dielectric, tinned copper leads, and an epoxy resin coating. They exhibit comparatively lower dielectric absorption and significantly lower temperature variation in electrostatic capacitance. PPL possess a high insulation resistance and are therefore ideal for use in circuits wherein great importance is placed on Q factor, e.g. in RF circuits and computers.



RV	50/100VDC				200/250VDC			
DIM. CAP(μF)	W	T	H	P ± 1	W	T	H	P ± 1
0.0010	5.8	3.3	10.5	3.0	7.0	4.0	11.0	3.0
0.0012	5.8	3.3	10.5	3.0	7.0	4.0	11.0	3.0
0.0015	5.8	3.3	10.5	3.0	7.0	4.0	11.0	3.0
0.0018	5.8	3.3	10.5	3.0	7.0	4.0	11.0	3.0
0.0022	5.8	3.3	10.5	3.0	7.0	4.0	11.0	3.0
0.0027	5.8	3.3	10.5	3.0	7.0	4.0	11.0	3.0
0.0033	5.8	3.3	10.5	3.0	7.0	4.0	11.0	3.0
0.0039	6.0	3.5	10.5	3.0	7.0	4.0	11.0	3.0
0.0047	6.0	3.5	10.5	3.0	7.0	4.0	11.0	3.0
0.0056	6.0	3.5	10.5	3.0	7.0	4.0	11.0	3.0
0.0068	6.0	3.5	10.5	3.0	7.0	4.0	11.0	3.0
0.0082	6.5	4.0	10.5	3.0	7.0	4.5	11.0	3.0
0.010	6.5	4.0	10.5	3.0	7.0	4.5	11.0	3.0
0.012	6.5	4.0	10.5	3.0	7.0	4.5	11.0	3.0
0.015	7.5	4.0	10.5	4.0	9.0	5.0	13.0	4.0
0.018	7.5	4.0	10.5	4.0	9.0	5.0	13.0	4.0
0.022	7.8	4.5	10.5	4.0	9.0	5.0	13.0	4.0
0.027	7.8	4.5	12.0	5.0	9.0	5.5	13.0	5.0
0.033	8.0	4.6	12.0	5.0	9.0	5.5	13.0	5.0
0.039	8.0	5.0	12.5	5.0	11.0	6.0	14.0	5.0
0.047	9.3	5.0	12.5	6.0	11.0	6.0	14.0	6.0
0.056	9.7	5.0	12.5	6.0	11.0	7.0	14.0	6.0
0.068	10.0	5.5	12.5	6.0	12.0	7.0	14.0	6.0
0.082	10.5	6.0	12.5	7.0	13.0	8.0	15.0	7.0
0.10	11.5	6.5	13.0	7.0	14.0	8.0	15.0	7.0
0.12	12.0	7.0	13.0	7.0	14.0	8.0	15.0	7.0
0.15	12.0	7.0	15.0	7.0	15.0	8.0	17.0	7.0
0.18	12.0	7.5	16.0	8.0	16.0	9.0	18.0	8.0
0.22	13.5	8.0	16.0	8.0	18.0	10.0	18.0	8.0
0.27	14.0	8.5	16.0	8.0				
0.33	15.5	8.5	19.0	10.0				
0.39	16.0	9.0	20.0	10.0				
0.47	18.0	10.0	21.0	10.0				