

### INTRODUCTION

PPL Series are constructed with polypropylene film dielectric, aluminum foil electrode, inductive forming, copperly lead, epoxy resin coating. Compared to other types, the PPL has a lower dielectric absorption and much lower temperature variation in the electrostatic capacitance. They have a much higher insulation resistance and are ideal for use in circuits where a high demand is placed on the Q in RF circuits, and electronic computers.

### PART NUMBER EXAMPLE

PPL 333 K 2A

### DIMENSIONS

F	W.V. Code	50/100VDC				200/250VDC			
		W	H	T	P±1	W	H	T	P±1
0.0010	102	5.8	10.5	3.3	3.0	7.0	11.0	4.0	3.0
0.0012	122	5.8	10.5	3.3	3.0	7.0	11.0	4.0	3.0
0.0015	152	5.8	10.5	3.3	3.0	7.0	11.0	4.0	3.0
0.0018	182	5.8	10.5	3.3	3.0	7.0	11.0	4.0	3.0
0.0022	222	5.8	10.5	3.3	3.0	7.0	11.0	4.0	3.0
0.0027	272	5.8	10.5	3.3	3.0	7.0	11.0	4.0	3.0
0.0033	332	5.8	10.5	3.3	3.0	7.0	11.0	4.0	3.0
0.0039	392	6.0	10.5	3.5	3.0	7.0	11.0	4.0	3.0
0.0047	472	6.0	10.5	3.5	3.0	7.0	11.0	4.0	3.0
0.0056	562	6.0	10.5	3.5	3.0	7.0	11.0	4.0	3.0
0.0068	682	6.0	10.5	3.5	3.0	7.0	11.0	4.0	3.0
0.0082	822	6.5	10.5	4.0	3.0	7.0	11.0	4.5	3.0
0.010	103	6.5	10.5	4.0	3.0	7.0	11.0	4.5	3.0
0.012	123	6.5	10.5	4.0	3.0	7.0	11.0	4.5	3.0
0.015	153	7.5	10.5	4.0	4.0	9.0	13.0	5.0	4.0
0.018	183	7.5	10.5	4.0	4.0	9.0	13.0	5.0	4.0
0.022	223	7.8	10.5	4.5	4.0	9.0	13.0	5.0	4.0
0.027	273	7.8	12.0	4.5	5.0	9.0	13.0	5.5	5.0
0.033	333	8.0	12.0	4.6	5.0	9.0	13.0	5.5	5.0
0.039	393	8.0	12.5	5.0	5.0	11.0	14.0	6.0	5.0
0.047	473	9.3	12.5	5.0	6.0	11.0	14.0	6.0	6.0
0.056	563	9.7	12.5	5.0	6.0	11.0	14.0	7.0	6.0
0.068	683	10.0	12.5	5.5	6.0	12.0	14.0	7.0	6.0
0.082	823	10.5	12.5	6.0	7.0	13.0	15.0	8.0	7.0
0.10	104	11.5	13.0	6.5	7.0	14.0	15.0	8.0	7.0
0.12	124	12.0	13.0	7.0	7.0	14.0	15.0	8.0	7.0
0.15	154	12.0	15.0	7.0	7.0	15.0	17.0	8.0	7.0
0.18	184	12.0	16.0	7.5	8.0	16.0	18.0	9.0	8.0
0.22	224	13.5	16.0	8.0	8.0	18.0	18.0	10.0	8.0
0.27	274	14.0	16.0	8.5	8.0				
0.33	334	15.5	19.0	8.5	10.0				
0.39	394	16.0	20.0	9.0	10.0				
0.47	474	18.0	21.0	10.0	10.0				

### SPECIFICATIONS

Type	Performance
Operating Temperature Range	-40°C ~ +85°C
Capacitance Range	0.001 F ~ 0.47 F
Capacitance Tolerance	±2%(G),±5%(J),±10%(K),±20%(M)
Rated Voltage	50VDC, 100VDC, 200VDC, 250VDC
Dissipation Factor	0.1% max at 1KHz, 25°C
Insulation Resistance	C<0.1 μF, >20 000MΩ C≥0.1 μF, >2 000MΩ • μF

### FEATURES

- Low dissipation factor (DF)
- High insulation resistance
- High stability and reliability
- Low equivalent series resistance (ESR)
- Inductive construction
- Enhanced mechanical strength and moisture resistance epoxy resin
- Heat resistance: 240°C±10 (5 sec)

