



### APPLICATIONS

- Noise Suppression
- Electronic Ballasts
- RC Networks
- Customized Capacitor available

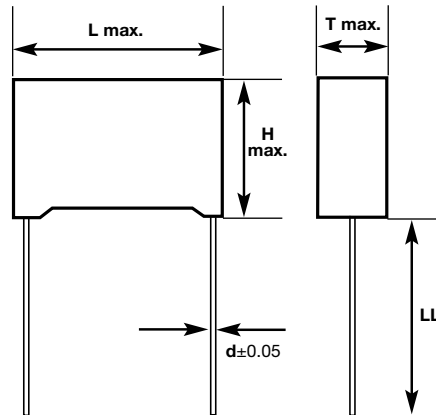
### FEATURES

- Impregnated Polypropylene
- High dv/dt
- Low Self Inductance
- Low ESR

### SPECIFICATIONS

Operating Temperature Range		-25°C to +85°C		
Capacitance Tolerance		±10% at 1kHz, 20°C ±5% optional		
DC Voltage	WVDC	630	1000	2000
Dissipation Factor tan d at 1 kHz and 20°C		0.1% Max.		
Insulation Resistance @20°C(<70% RH) for 1 minute at 500 VDC applied		C ≤ 0.33µF: 50000 MΩ C > 0.33µF: 10000 MΩ·µF		
Self Inductance		<1 nano-Henry per mm of lead spacing and lead length		
Dielectric Strength		Terminal to Terminal		
		250% VDC for 2 seconds at 20°C		
Construction		Impregnated Extended Foil Polypropylene Film		
Electrodes		Aluminum Foil		
Coating		Flame Resistant Plastic Case with Epoxy End Fill (UL 94V-0)		
Lead Terminations		Lead free tinned copper leads		

L	13	18	26.5	32
S	10	15	22.5	27.5
d	0.6	0.8	0.8	0.8
LL(Min)	30	30	30	30



**FPB**Impregnated  
Polypropylene Film with  
Aluminum Foil  
Electrodes**PHYSICAL DIMENSIONS**

WVDC μF	630	1000	2000
0.001	→	13x11x5	18x12x6
0.0015	→	13x11x5	18x12x6
0.0022	→	13x11x5	18x12x6
0.0033	→	13x11x5	18x12x6
0.0047	13x11x5	13x11x5	18x12x6
0.0068	13x11x5	13x11x5	26.5x16x7
0.01	13x11x5	13x12x6 18x12x6	26.5x16x7
0.015	13x12x6	18x12x6	26.5x17x8.5
0.022	18x12x6	18x12x6	26.5x20x11
0.033	18x13.5x7.5	18x13.5x7.5	
0.047	26.5x16x7	26.5x16x7	
0.068	26.5x17x8.5	26.5x17x8.5	
0.1	26.5x20x11	26.5x20x11	
0.15	32x20x11	32x20x11	
0.22	32x22x13	32x22x13	

Convert to inches, divide by 25.4

LxHxT (mm)

**\*Customized capacitors available upon request.  
Contact Illinois Capacitor Inc. for details.**

**STANDARD PARTS LISTING**

Capacitance (μF)	WVDC	IC <sup>®</sup> PART NUMBER	dv/dt (V/μs)	Dimensions L x H x T (mm)
0.001	1000	102FPB102K	6000	13x11x5
0.001	2000	102FPB202K	5000	18x12x6
0.0015	1000	152FPB102K	6000	13x11x5
0.0015	2000	152FPB202K	5000	18x12x6
0.0022	1000	222FPB102K	6000	13x11x5
0.0022	2000	222FPB202K	5000	18x12x6
0.0033	1000	332FPB102K	6000	13x11x5
0.0033	2000	332FPB202K	5000	18x12x6
0.0047	630	472FPB630K	6000	13x11x5
0.0047	1000	472FPB102K	6000	13x11x5
0.0047	2000	472FPB202K	5000	18x12x6
0.0068	630	682FPB630K	6000	13x11x5
0.0068	1000	682FPB102K	6000	13x11x5
0.0068	2000	682FPB202K	3000	26.5x16x7
0.01	630	103FPB630K	6000	13x11x5
0.01	1000	103FPB102K	6000	13x12x6
0.01	1000	103FPB102KE	5000	18x12x6
0.01	2000	103FPB202K	3000	26.5x16x7

Capacitance (μF)	WVDC	IC <sup>®</sup> PART NUMBER	dv/dt (V/μs)	Dimensions L x H x T (mm)
0.015	630	153FPB630K	6000	13x12x6
0.015	1000	153FPB102K	5000	18x12x6
0.015	2000	153FPB202K	3000	26.5x17x8.5
0.022	630	223FPB630K	5000	18x12x6
0.022	1000	223FPB102K	5000	18x12x6
0.022	2000	223FPB202K	3000	26.5x20x11
0.033	630	333FPB630K	5000	18x13.5x7.5
0.033	1000	333FPB102K	5000	18x13.5x7.5
0.047	630	473FPB630K	3000	26.5x16x7
0.047	1000	473FPB102K	3000	26.5x16x7
0.068	630	683FPB630K	3000	26.5x17x8.5
0.068	1000	683FPB102K	3000	26.5x17x8.5
0.1	630	104FPB630K	3000	26.5x20x11
0.1	1000	104FPB102K	3000	26.5x20x11
0.15	630	154FPB630K	2000	32x20x11
0.15	1000	154FPB102K	2000	32x20x11
0.22	630	224FPB630K	2000	32x22x13
0.22	1000	224FPB102K	2000	32x22x13



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