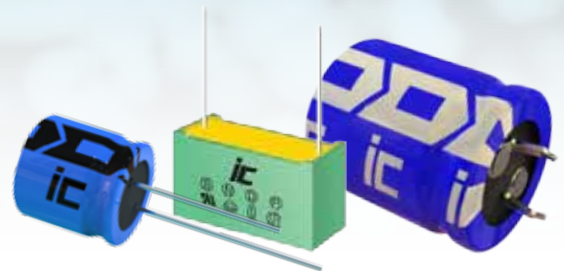




Illinois Capacitor

Product Line Card



In February 2015, Cornell Dubilier acquired Illinois Capacitor, bringing together two of the leading manufacturers of capacitors in the electronics market. Adding Illinois Capacitor to the TTI line card of premier suppliers provides an even larger array of board level capacitor choices for TTI customers. These capacitors are great options for renewable energy inverters, welders, UPS systems, motor drives, military and aerospace, and medical imaging.

Reach your local sales team at 1.800.CALL.TTI

SERIES	DESCRIPTION	CAPACITANCE	WVDC WORKING VOLTAGE DC	VAC VOLTAGE AC	TEMP RANGE
EMI/RFI SUPPRESSION FILM					
MKP	Class X2	0.0047 μ F - 10 μ F	0 to 0	305 to 310	-40°C to +110°C
GENERAL PURPOSE FILM					
MPR	Metalized Polypropylene Epoxy Dipped Radial Lead	0.01 μ F - 2.2 μ F	100 to 1000	63 to 250	-55°C to +105°C
MPW	Metalized Polypropylene Axial Lead	0.001 μ F - 10 μ F	163 to 630	90 to 250	-55°C to +105°C
MWR	Metalized Polyester Axial Lead	0.001 μ F - 22 μ F	50 to 1500	30 to 300	-40°C to +125°C
MSR	Metalized Polyester Epoxy Dipped Radial Lead	0.01 μ F - 10 μ F	100 to 1000	63 to 250	-40°C to +125°C
HIGH FREQUENCY/SWITCHING FILM					
PHC	High Frequency Metalized Polypropylene Axial Lead	0.01 μ F - 60 μ F	250 to 850	160 to 450	-40°C to +85°C
SNUBBER FILM					
PMB, RMB	Metalized Polypropylene, Power Semiconductor Direct Mount Snubber Lug Terminals	0.047 μ F - 12 μ F	700 to 3000	0 to 750	-40°C to +85°C
PPA	High Voltage, High dv/dt Axial Lead	0.0047 μ F - 6.8 μ F	700 to 3000	380 to 750	-40°C to +85°C
HIGH DV/DT/PULSE FILM					
PPB	High Voltage Pulse Radial Lead Snubber	0.001 μ F - 6.8 μ F	0 to 2000	160 to 700	-55°C to +105°C
SUPERCAPACITORS					
DCN	High Pulse Power Extends Battery Life	0.3 μ F - 650F	2.7 to 5.5		-40°C to +60°C
RADIAL LEAD GENERAL PURPOSE ALUMINUM ELECTROLYTIC					
CKR, CKS	+85°C Standard 2000 Hour	0.1 μ F - 22000 μ F	6.3 to 500		-40°C to +85°C
CKH, CKE	+105°C Extended Life 2000 Hour	0.1 μ F - 22000 μ F	6.3 to 450		-40°C to +105°C
RADIAL LEAD HIGH FREQUENCY/LOW IMPEDANCE ALUMINUM ELECTROLYTIC					
KXM	+105°C, High Voltage, Low Impedance, Long Life, 5000 Hours	0.47 μ F - 15000 μ F	6.3 to 100		-55°C to +105°C
SNAP-IN/SNAP MOUNT ALUMINUM ELECTROLYTIC					
LBA	+85°C Standard 2000 Hours	47 μ F - 82000 μ F	10 to 500		-40°C to +85°C
LBB	+85°C Extended Life, 3000 Hours	82 μ F - 47000 μ F	16 to 450		-40°C to +85°C
LMX	+105°C 5000 Hours	47 μ F - 47000 μ F	10 to 450		-40°C to +105°C
LMB	+105°C Extended Life, 3000 Hours	47 μ F - 56000 μ F	10 to 450		-40°C to +105°C
SURFACE MOUNT ALUMINUM ELECTROLYTIC					
SML	+85°C Standard 2000 Hours	0.1 μ F - 1500 μ F	4 to 100		-40°C to +85°C
SMH	+105°C General Purpose 1000 Hours	0.1 μ F - 1500 μ F	6.3 to 50		-55°C to +105°C
AXZ	+105°C Low Impedance 2000 Hours	1 μ F - 1500 μ F	6.3 to 50		-55°C to +105°C
AXIAL LEAD ALUMINUM ELECTROLYTIC					
TTA	+85°C Standard, General Purpose 2000 Hours	0.47 μ F - 22000 μ F	10 to 500		-40°C to +85°C
RADIAL LEAD ALUMINUM POLYMER CAPACITORS					
AVG	125°C Low ESR Radial Lead Aluminum Polymer Capacitors	4.7 μ F - 1500 μ F	16 to 160		-55°C to +125°C
SMD ALUMINUM POLYMER CAPACITORS					
UVR	+105°C Low ESR, High Ripple Current SMD Aluminum Polymer Capacitors	39 μ F - 1500 μ F	2.5 to 16		-55°C to +105°C
UVG	+105°C Low ESR, High Ripple Current SMD Aluminum Polymer Capacitors	22 μ F - 820 μ F	2.5 to 25		-55°C to +105°C
XMPL	+105°C Low ESR, High Ripple Current SMD Aluminum Polymer Capacitors	39 μ F - 1500 μ F	2 to 16		-40°C to +105°C
MOTOR RUN/AC					
QPC	Radial Ledged Box	0.4 μ F - 10 μ F		250 to 450	-25°C to +85°C
RADIAL LEAD HIGH FREQUENCY/LOW IMPEDANCE					
KBM	+105°C High Frequency Low Impedance/ESR, 8000 to 10000 Hours	0.47 μ F - 10000 μ F	6.3 to 100		-40°C to +105°C
TXK	+105°C High Voltage Low Impedance Long Life, 5000 Hours	2.2 μ F - 220 μ F	160 to 450		-40°C to +105°C
KFM	+105°C High Frequency Low Impedance/ESR, 8000 to 10000 Hours	1 μ F - 330 μ F	160 to 450		-40°C to +105°C

Illinois Capacitor – Part Number Identification

Illinois Capacitor products follow a uniform part numbering system as indicated below:

Section 687 LBA 400 M W EH Y
 1 2 3 4 5 6 7

- 1) Capacitance Value
- 2) Capacitor Series
- 3) Voltage Rating
- 4) Capacitance Tolerance
- 5) Lead Style Indicator
- 6) Case Size
- 7) Special order options such as tape and reel or cut and formed leads

