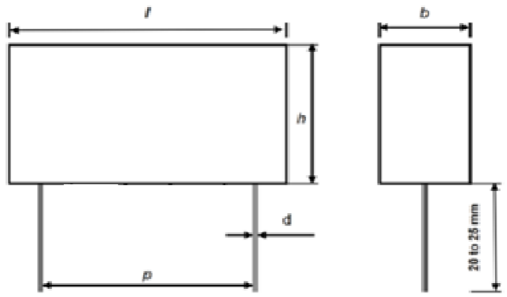
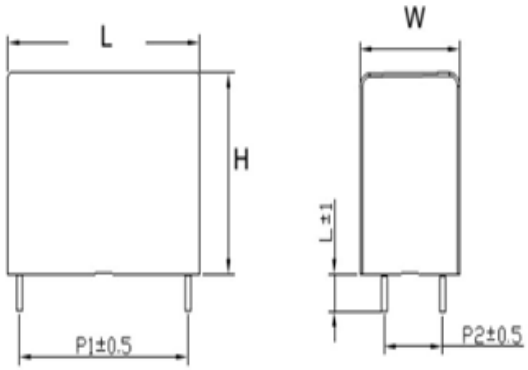
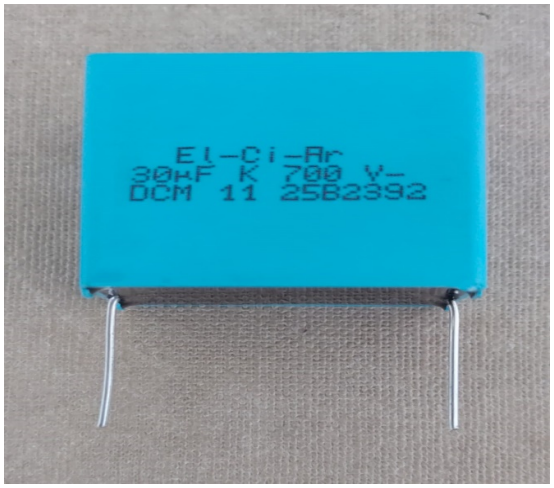
El-Ci-Ar® DC Link capacitors Metallized Box type DCM-11



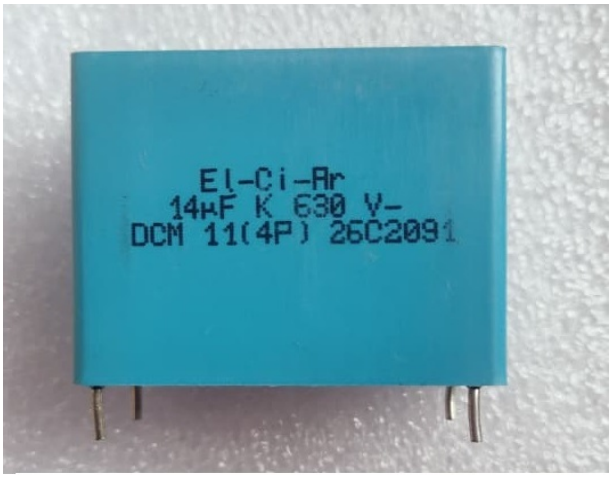
2 PIN CAPACITOR SKETCH



4 PIN CAPACITOR DRAWING & DIMENSIONS



2 PIN CAPACITOR



4 PIN CAPACITOR

APPLICATIONS	FEATURES
Motor Drives	High Ripple Current Capability
Welding Equipment. (e.g. Inverter Welding Machine)	Low ESR, Low ESL
Induction Heating Equipment	Customized Terminations
Traction and industrial drives	High Life expectancy, very low Failure Rate
Battery Chargers	Flame retardant UL94-V0, RoHS compliant suitable for PCB mounting(Through hole type)
Uninterruptible power supplies	
Wind power inverters	

REFERENCE STANDARD: IEC 61071, 60068

Neotroniks PRIVATE LTD.

68, Hadapsar industrial Estate, Hadapsar, Pune 411013

El-Ci-Ar® DC Link capacitors Metallized Box type DCM-11

TECHNICAL SPECIFICATIONS

Rated capacitance range	:	1uF to 120µF
Rated voltage range (Ur)	:	600VDC to 1250VDC
Capacitance Tolerance	:	5%(J), 10% (K)
Dielectric	:	Polypropylene Film
Construction	:	Mono construction
Electrodes	:	Vacuum deposited Zinc Aluminum
Casing	:	Plastic Casing (PBT)
Encapsulation	:	Thermosetting Resin
Termination	:	Tinned copper wire; 2 Pin , 4 Pin
Dissipation factor (Tan d); @1kHz for C≤10uF; @100Hz for C>10uF	:	≤ 0.001
Self-Inductance	:	< 1nH per mm of lead spacing
Rated temperature	:	85^0C
Maximum permissible case temperature	:	105^0C
Insulation Resistance	:	> 10000 sec at 25^0C after 1Min
Test voltage between terminals (Vt_t)	:	1.6 X Rated Voltage / 2Sec
Climatic Category	:	55/105/56

VOLTAGE RANGE AND CAPACITANCE AVAILABLE

Sr. No.	Rated Voltage	C Value Range	Number of Pins	Wire Length
1	600/630VDC	5uF to 100uF	2 pins for pitch up to 27.5mm.	6±1mm unless otherwise specified separately.
2	700VDC	5uF to 100uF		
3	800VDC	5uF to 100uF		
4	900VDC	1uF to 50uF	4 pins for pitch >27.5mm	
5	1000VDC	1uF to 50uF		
6	1100/1250VDC	1uF to 25uF		

TYPICAL DIMENSIONS & TERMINATIONS

Sr. No.	Rated Voltage	C Value	Pins	Dimensions(mm)						
				Thickness (T)	Height (H)	Length (L)	Pitch (P1)	Pitch (P2)	Wire (Ø)	Wire (L)
1	630VDC	14uF	4	24	38	45	37.5	20.0	1.2	6.0
2	700VDC	30uF	2/4	33	45	43	37.5	20.3	1.2	6/25
3	700VDC	75uF	4	35	50	57.5	52.5	20.3	1.2	5
4	800VDC	1.0uF	4	17	29	42	37.5	10.0	1.0	6.0
5	800VDC	12uF	2	22	37	32	27.5	--	0.8	25
6	800VDC	20uF	2	20	36	42	37.5	---	1.0	5 /25
7	800VDC	40uF	4	33	45	43	37.5	20.3	1.2	5
8	900VDC	25uF	4	33	45	43	37.5	20.3	1.0	6
9	1000VDC	50uF	4	35	50	57.5	52.5	20.3	1.2	14
10	1100/1250 VDC	1uF	2	11	20	32	27.5	---	0.8	20-25
11	1100/1250 VDC	25uF	4	35	50	57.5	52.5	20.3	1.2	6.0

***Custom design available on request** ****Specifications are subject to change without notification**

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