ADVANCE COMPONENTS AND INSTRUMENTS PVT. LTD.
Mfrs. of PLASTIC FILM CAPACITORS & EMI NOISE FILTERS
Registered Office & Factory :
3A-3A/1, Belavadi Indl.Area, Mysore - 570 018. INDIA

ISO 9001 : 2015
ISO 13485 : 2016

Phone : +91 821 2402307, 2402301, 2403058
E-mail : enquiries@advancecapacitors.com
advcaps@gmail.com
Website : www.advance-capacitors.com
GSTIN : 29AABCA1720D1ZA

ADVANCE Metallised Polypropylene series foil snubber Capacitors

GENERAL

- Non Polar
- Low Losses
- Low ESR, ESL
- High Insulation Resistance
- Suitable for High Frequencies
- Self Healing

Snubbers are high peak current capacitors used in power semiconductor circuits for energy conversion. And, they are used to suppress or attenuate high voltage peaks to protect semiconductor devices.

Advance snubber capacitors are made using internationally accepted series metallised technology for self-healing property. Aluminium foil electrodes are used for high peak current capacities. Capacitor elements are non-inductive and encapsulated in a yellow tape wrap end sealed with flame retardant thermosetting epoxy resin for environmental protection.

APPLICATIONS :

- IGBT Module Protection
- Energy Conversion in power electronics
- Thyristor protection
- High Pulse applications

TYPE: **FKP-7** Cylindrical, Tape wrap / wrap flat, Axial Lead

STANDARDS : IEC-384-14

SPECIFICATIONS :

Dielectric Film	: Polypropylene film + Al.Foil
Temperature Range	: -55 °C to +105 °C
Tan Delta (C < 1uf)	: ≤ 0.0005 @ 1kHz and 25°C
Insulation Resistance	: for C ≤ 0.33µF ≥100,000MΩ
at 100 V DC	: for C > 0.33µF ≥ 30,000MΩ
Test Voltage	: 1.6 times rated DC Voltage
Climatic Category	: 55/100/56
Voltage Derating	: 1.5% per C above 85°C
Tolerance	: ±5%, ±10%
Stability	: < 0.5% over 2 Years

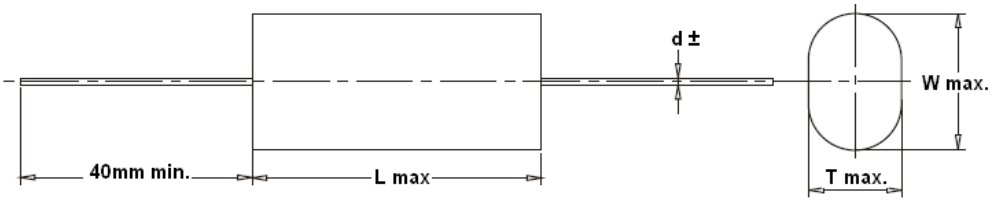
Registered Office and Factory:
Advance Components and Instruments Pvt Ltd
3A-3A/1, Belavadi Industrial Area ,Mysore – 570018 KARNATAKA
Phone: +91 821 2402301 / 2402307 /2403058
Mobile & WhatsApp: +91 8073111025
E-mail : **advcaps@gmail.com** / **enquiries@advancecapacitors.com**
Website: www.advance-capacitors.com

ADVANCE COMPONENTS AND INSTRUMENTS PVT. LTD.
Mfrs. of PLASTIC FILM CAPACITORS & EMI NOISE FILTERS
Registered Office & Factory :
3A-3A/1, Belavadi Indl.Area, Mysore - 570 018. INDIA

ISO 9001 : 2015
ISO 13485 : 2016

Phone : +91 821 2402307, 2402301, 2403058
E-mail : enquiries@advancecapacitors.com
advcaps@gmail.com
Website : www.advance-capacitors.com
GSTIN : 29AABCA1720D1ZA

Advance Polypropylene Series Foil Snubber Capacitors – FKP-7



Rated Voltage 850Vdc / 450Vac

Capacitance	T max	W max	L max	d	dv/dt , V/µS	I Peak, A	Irms max at 100kHz , A	ESR @ 100kHz, mΩ
0.150	10.0	16.0	34.0	1.0	800	120	7.4	6
0.220	12.0	18.0	34.0	1.0	800	176	8.0	6
0.330	14.0	20.0	34.0	1.0	800	264	9.4	5
0.470	17.0	23.0	34.0	1.0	800	376	11.7	5
0.680	19.0	25.0	46.0	1.2	500	340	13.8	4
1.000	22.0	33.0	46.0	1.2	500	500	14.4	3
1.200	22.0	33.0	46.0	1.2	400	480	16.7	3
1.500	24.0	34.0	46.0	1.2	400	600	20.3	2

Rated Voltage 1000 Vdc / 500 Vac

Capacitance	T max	W max	L max	d	dv/dt , V/µS	I Peak, A	Irms max at 100kHz , A	ESR @ 100kHz, mΩ
0.220	12.0	18.0	34.0	1.0	800	176	8.0	6
0.330	14.0	20.0	34.0	1.0	800	264	9.4	5
0.470	17.0	23.0	34.0	1.0	800	376	11.7	5
0.680	19.0	25.0	46.0	1.2	500	340	13.8	4
1.000	22.0	33.0	46.0	1.2	500	500	14.4	3
1.200	22.0	33.0	46.0	1.2	400	480	16.7	3
1.500	24.0	34.0	46.0	1.2	400	600	20.3	2

Rated Voltage 1600Vdc / 630Vac

Capacitance	Tmax	W max	L max	d	dv/dt , V/µS	I Peak, A	Irms max at 100kHz , A	ESR @ 100kHz, mΩ
0.100	13.0	19.0	34.0	1.0	1100	110	9.0	7
0.150	16.0	21.0	34.0	1.0	1100	165	10.0	7
0.220	18.0	25.0	34.0	1.2	1100	242	12.0	7
0.330	17.0	23.0	46.0	1.2	900	297	12.0	7
0.470	21.5	28.5	46.0	1.2	900	423	13.8	6
0.680	23.5	34.0	46.0	1.2	900	612	14.5	6

ADVANCE COMPONENTS AND INSTRUMENTS PVT. LTD.
Mfrs. of PLASTIC FILM CAPACITORS & EMI NOISE FILTERS
Registered Office & Factory :
3A-3A/1, Belavadi Indl.Area, Mysore - 570 018. INDIA

ISO 9001 : 2015
ISO 13485 : 2016

Phone : +91 821 2402307, 2402301, 2403058
E-mail : enquiries@advancecapacitors.com
advcaps@gmail.com
Website : www.advance-capacitors.com
GSTIN : 29AABCA1720D1ZA

Rated Voltage 2000 Vdc / 630Vac

Capacitance	Tmax	W max	L max	d	dv/dt , V/µS	I Peak, A	Irms max at 100kHz , A	ESR @ 100kHz, mΩ
0.033	8.0	14.0	34.0	1.0	1200	40	4.8	19
0.047	9.0	16.0	34.0	1.0	1200	56	6.7	10
0.068	11.0	18.0	34.0	1.0	1200	81	7.9	8
0.100	14.0	20.0	34.0	1.0	1200	120	9.5	6
0.150	14.0	23.0	46.0	1.0	950	142	10.0	6
0.220	16.0	27.0	46.0	1.0	950	209	11.0	6
0.330	18.0	27.0	46.0	1.2	850	280	12.8	5
0.470	19.0	33.0	46.0	1.2	850	400	15.0	5

Rated Voltage 2500 Vdc / 750Vac

Capacitance	Tmax	W max	L max	d	dv/dt , V/µS	I Peak, A	Irms max at 100kHz , A	ESR @ 100kHz, mΩ
0.033	9.2	16.0	34.0	1.0	1300	43	4.8	19
0.047	10.0	17.0	34.0	1.0	1300	61	6.5	10
0.068	12.0	19.0	34.0	1.0	1300	88	8.6	8
0.100	15.0	21.0	34.0	1.0	1300	130	9.8	6
0.150	15.0	24.0	46.0	1.0	1050	157	10.9	6
0.220	18.0	27.0	46.0	1.0	950	209	11.2	6
0.330	19.0	33.0	46.0	1.2	950	313	13.5	5

Rated Voltage 3000 Vdc / 750Vac

Capacitance	Tmax	W max	L max	d	dv/dt , V/µS	I Peak, A	Irms max at 100kHz , A	ESR @ 100kHz, mΩ
0.015	8.5	15.5	34.0	1.0	1500	22	3.0	35
0.022	9.2	16.0	34.0	1.0	1500	33	4.2	22
0.033	10.0	17.0	34.0	1.0	1500	49	6.1	12
0.047	12.0	19.0	34.0	1.0	1200	56	6.8	12
0.068	14.0	21.0	46.0	1.0	1200	81	7.9	10
0.100	15.0	24.0	46.0	1.2	1200	120	9.3	8
0.150	18.0	27.0	46.0	1.2	1200	180	12.0	6