Deki
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Plain Polyester Film Capacitors

Series Code 01

Inductive

Main Application
Blocking, bypassing, filtering, coupling and decoupling, interference suppression in low voltage application, low pulse application.

Construction
Film/foil inductive type construction with aluminum foil as electrode and polyester (PET) film as dielectric, coated with epoxy resin.

Climatic Category
40/105/56

Rated and Maximum Temperature Rating
85°C and 105°C

Applicable Specification
IEC 384-11

Capacitance Value
0.001µF-0.47µF

Capacitance Tolerance
±5%,±10%

Insulation Resistance

Minimum Insulation Resistance R_{IS}	V_R	$C_R \leq 0.33\mu F$	$C_R > 0.33\ \mu F$
(or) time constant $T = C_R \times R_{IS}$	≤100 V DC	30 GΩ	10000 s
at 25° C, relative humidity ≤70%	≥250 V DC	100 GΩ	10000 s

Rated Voltage
63VDC-1600VDC

Voltage Proof
Between terminals: 2 times of rated voltage for 2 sec.

Tan δ
0.8% (maximum) at 1 kHz.

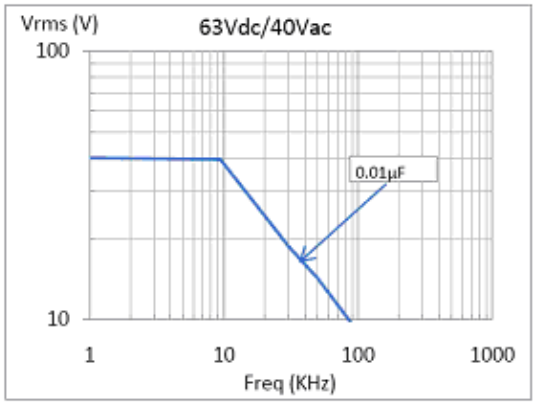
Life Test Conditions
(Loading at elevated temperature)
Loaded at 1.5 times of rated voltage at 85° C or 1.5 times of category voltage at 100° C 1000 hours.
Category voltage is 80% of rated voltage.

After the test
ΔC/C: ≤ 5% of initial value.
Increase of Tan δ: ≤ 0.01 or 1.2 times the value measured before the test, whichever is higher.
Insulation resistance: ≥ 50% of the initial value mentioned in IR chart.

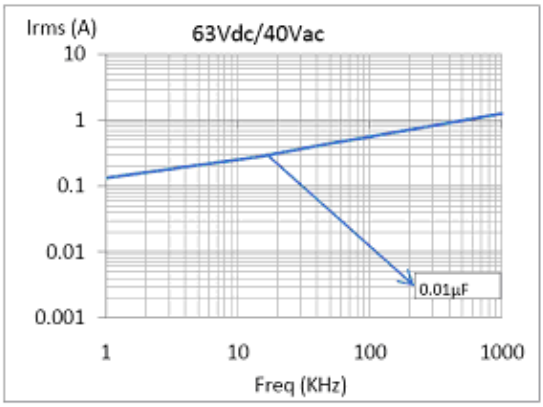
Approvals
Capacitors tested at ERTL (North) as per IEC 384-11.

Derating graph for Plain Polypropylene Film Capacitors
Non-Inductive

Max. Voltage (Vrms) vs. Frequency
(Sinusoidal Waveform at T ≤ 55° C)



Max. Current (Irms) vs. Frequency
(Sinusoidal Waveform at T ≤ 55° C)



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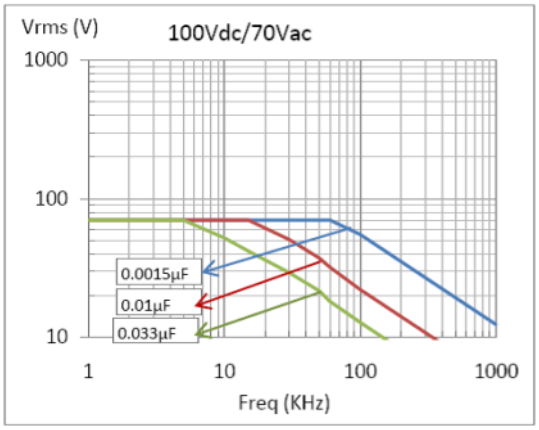

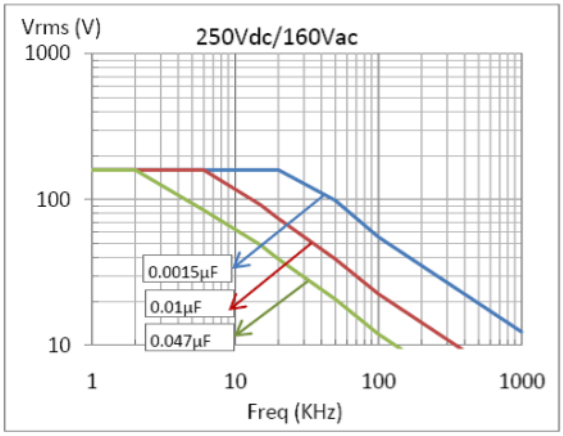

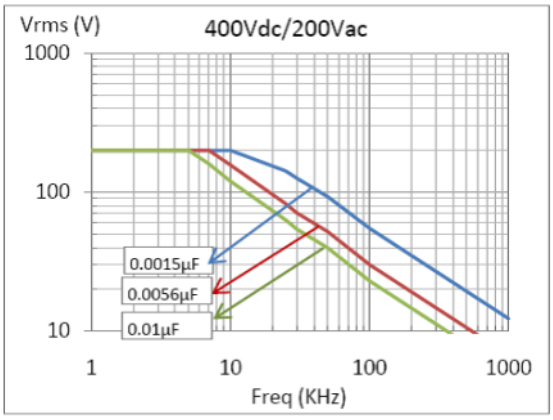

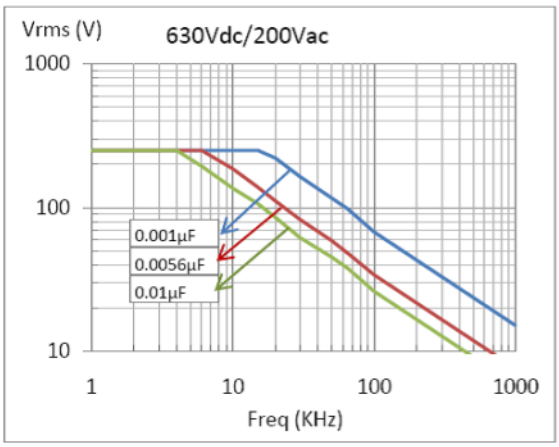

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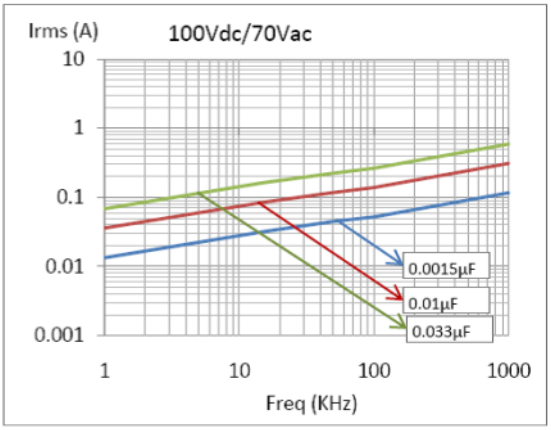

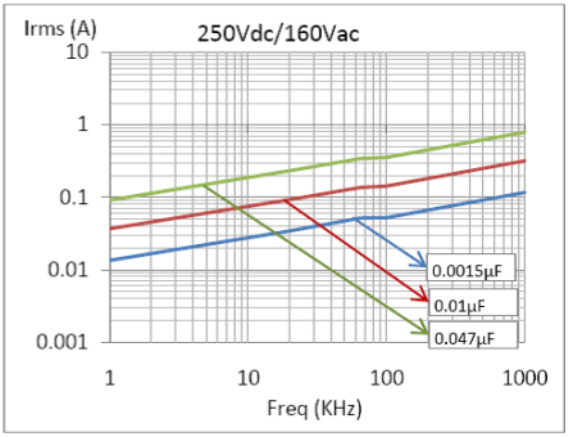

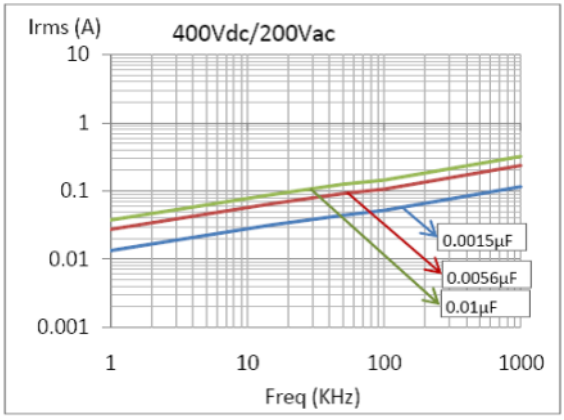

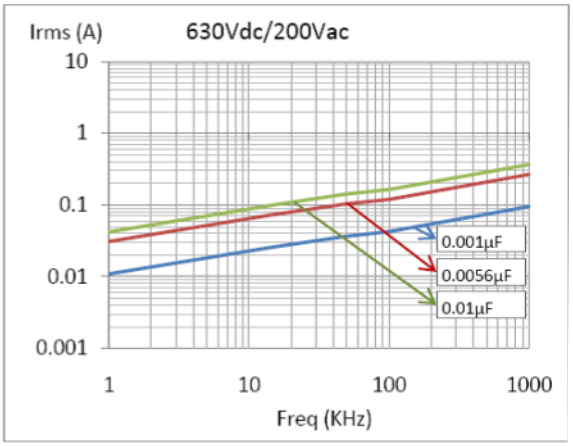

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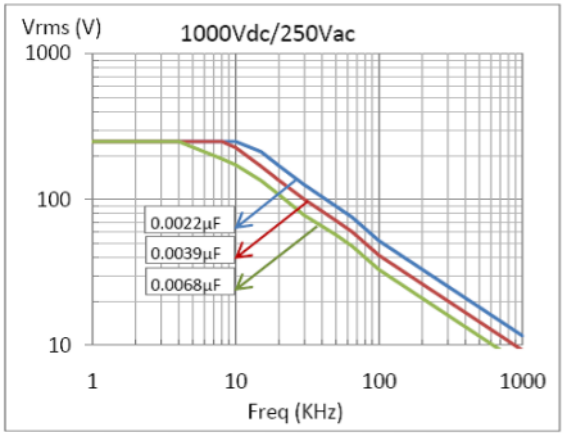

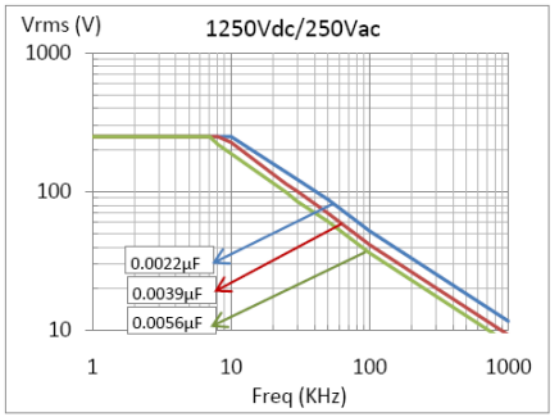

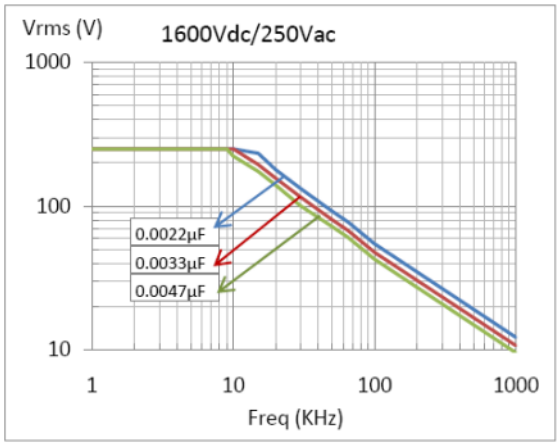

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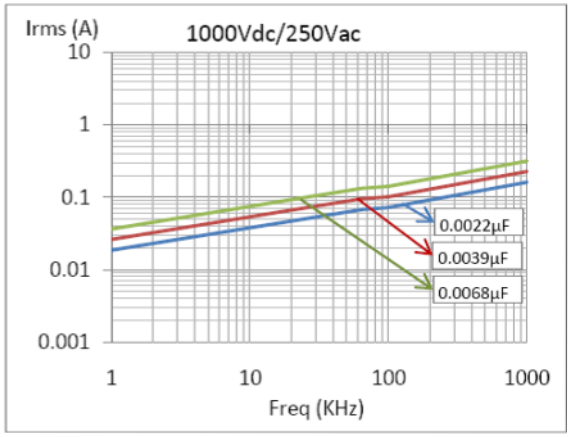

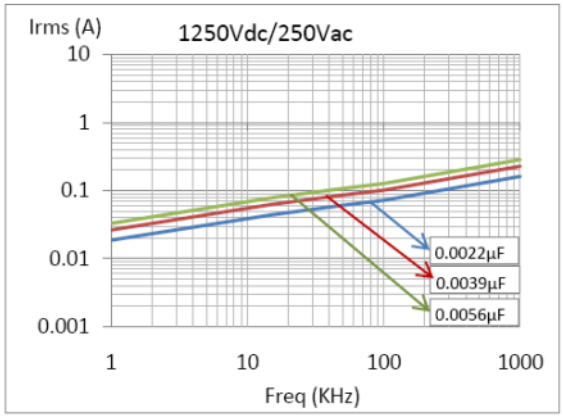

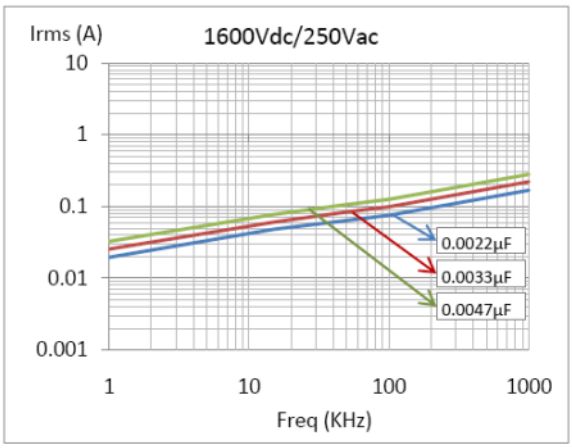

Plain Polyester Film Capacitors

Inductive • Series Code 01

Ordering code and packaging unit: Plain Polypropylene Film Capacitors (Inductive) • Series Code 01

Rated Voltage	Rated Cap. (µF)	Dimensions (mm) W max.	H max.	L max.	d ±0.05	S ±0.5	F max.	DV/DT V/µs	Wt. g	Ordering code	Packing units Ammo	Bulk
63V DC	0.1	11.0	14.0	6.0	0.5	7.0	5.0	10000	0.76	01 104 +1J*^	2000	2000
100V DC	0.001	6.5	11.5	3.5	0.5	4.0	5.0	10000	0.22	01 102 +2A*^	5000	2000
	0.0033	6.5	11.5	3.5	0.5	4.0	5.0	10000	0.32	01 332 +2A*^	5000	2000
	0.0068	7.5	11.5	3.5	0.5	4.0	5.0	10000	0.25	01 682 +2A*^	5000	2000
	0.01	7.5	11.5	4.0	0.5	4.0	5.0	10000	0.35	01 103 +2A*^	4500	2000
	0.033	7.5	13.0	5.0	0.5	5.0	5.0	10000	0.40	01 333 +2A*^	4000	2000
	0.068	10.0	14.0	5.5	0.5	7.0	5.0	10000	0.60	01 683 +2A*^	2000	2000
	0.082	11.0	14.0	6.0	0.5	7.0	5.0	10000	0.70	01 823 +2A*^	2000	2000
	0.1	11.0	14.0	6.0	0.5	7.0	5.0	10000	0.75	01 104 +2A*^	2000	2000
	0.22	12.0	17.0	6.5	0.5	8.5	-	10000	1.56	01 224 +2A*^	-	1000
	0.47	16.0	19.0	8.5	0.5	11.5	-	10000	2.88	01 474 +2A*^	-	400
250V DC	0.001	6.5	11.5	3.5	0.5	4.0	5.0	10000	0.28	01102 +2E*^	5000	2000
	0.0033	6.5	12.0	3.5	0.5	4.0	5.0	10000	0.28	01 332 +2E*^	5000	2000
	0.01	7.5	13.0	4.0	0.5	5.0	5.0	10000	0.35	01 103 +2E*^	2500	2000
	0.022	9.0	13.0	4.5	0.5	6.0	5.0	10000	0.45	01 223 +2E*^	2500	2000
	0.047	11.0	14.0	6.0	0.5	7.0	7.5	10000	0.80	01 473 +2E*^	2000	2000
	0.056	13.0	14.0	6.5	0.5	7.0	-	10000	0.90	01 563 +2E*^	-	2000
	0.1	13.0	18.0	6.5	0.5	9.0	-	10000	1.30	01 104 +2E*^	-	1000
400V DC	0.001	6.5	11.5	3.5	0.5	4.0	5.0	10000	0.28	01 102 +2G*^	5000	2000
	0.0033	6.5	11.5	4.0	0.5	4.0	5.0	10000	0.35	01 332 +2G*^	5000	2000
	0.0056	8.5	11.5	4.0	0.5	5.5	5.0	10000	0.45	01 562 +2G*^	4000	2000
	0.01	8.5	12.0	4.5	0.5	6.5	5.0	10000	0.65	01 103 +2G*^	4000	2000
	0.047	12.0	15.0	8.0	0.5	7.0	-	10000	1.00	01 473 +2G*^	-	1000
	0.056	10.0	15.0	8.0	0.5	7.5	-	10000	1.30	01 563 +2G*^	-	1000
	0.1	15.0	18.0	9.0	0.5	11.0	-	10000	2.16	01 104 +2G*^	-	400
630V DC	0.001	6.5	11.5	3.5	0.5	4.0	5.0	10000	0.28	01 102 +2J*^	5000	2000
	0.0033	8.5	15	4.5	0.5	5.0	5.0	10000	0.45	01 332 +2J*^	4000	2000
	0.0068	11.0	15	5.0	0.5	5.5	5.0	10000	0.55	01 682 +2J*^	2000	2000
	0.01	10.0	15	5.5	0.5	7.5	7.5	10000	0.75	01 103 +2J*^	2000	2000
	0.033	13.0	15	8.0	0.5	8.5	-	10000	1.70	01 333 +2J*^	-	1000
1000V DC	0.0022	8.5	15	5.0	0.5	5.0	5.0	10000	0.48	01 222 +3A*^	4000	2000
	0.0033	9.0	15	5.0	0.5	5.0	5.0	10000	0.62	01 332 +3A*^	4000	2000
	0.0047	10.0	15	6.0	0.5	5.0	5.0	10000	0.72	01 472 +3A*^	4000	2000
	0.0068	12.0	15	6.5	0.5	5.0	5.0	10000	0.84	01 682 +3A*^	3000	2000
1250V DC	0.0022	8.5	15	5.0	0.5	5.0	5.0	10000	0.48	01 222 +3B*^	3000	2000
	0.0033	9.5	15	6.0	0.5	5.0	5.0	10000	0.65	01 332 +3B*^	2500	2000
	0.0047	11.0	15	7.0	0.5	5.0	5.0	10000	0.84	01 472 +3B*^	1500	2000
	0.0056	11.0	15	7.0	0.5	5.0	5.0	10000	0.85	01 562 +3B*^	1500	2000
1600V DC	0.0022	9.5	15	6.0	0.5	5.0	5.0	10000	0.70	01 222 +3C*^	1500	2000
	0.0033	10.0	18	6.5	0.5	5.0	5.0	10000	0.80	01 332 +3C*^	1500	2000
	0.0047	12.0	18	7.5	0.5	7.5	5.0	10000	1.15	01 472 +3C*^	1000	2000

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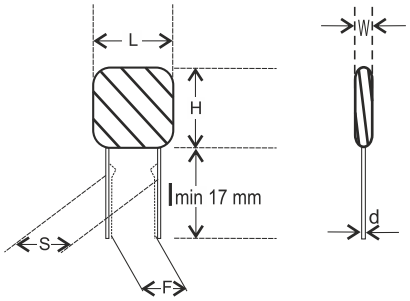

Note: For more details please contact info@dekielectronics.com