

Interference Suppression Capacitors

 Series Code
20

(UL Approved) Class X2

Main Application

Across the line application for Interference suppression.

Construction

Low inductive cell of metallized polypropylene film encased in flame retardant grade UL 94 V-0 box.

Climatic Category

40/105/56/B

Maximum Operating Temperature

105° C

Applicable Specification

IEC384-14

Capacitance Value

0.0047μF-10μF

Capacitance Tolerance

±10%, ±20%

Rated Voltage

275VAC & 310VAC

Voltage Proof

2100VDC for 2 sec.

Tan δ

0.1% (max) at 1 kHz.

Life Test Conditions
(Loading at elevated temperature)

Loaded at 1.25 times of rated voltage at 105°C for 1000 hours with once per hour 1000V(RMS) via 47 Ω±5% resistor for 0.1 second.

After the test
 $\Delta C/C \leq 10\%$.

 $\Delta \tan \delta$: 0.008, $C_R \leq 1\mu F$;

 0.005, $C_R > 1\mu F$; at 1kHz.

Insulation resistance: > 50% of the initial value.

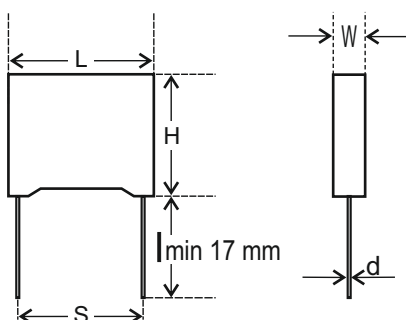
Insulation Resistance

 Minimum Insulation Resistance R_{IS}
 (or) time constant $T = C_R \times R_{IS}$
 at 25° C, relative humidity ≤65%

 $C_R \leq 0.33\mu F$
 > 15000 MΩ

 $C_R > 0.33\mu F$
 > 5000s

Safety Approval X2	Voltage	Value	Certificate Number
UL 1414	275/310VAC	0.0047μF to 10μF	E253651
			



Ordering code and packing units overleaf.

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Rated Voltage	Rated Cap. (µF)	Dimensions (mm)					DV/DT V/µs	Ordering code	Packing Bulk	Approval
		W ±0.5	H ±0.5	L ±0.5	d ±0.02	S ±0.5				
275VAC	0.0047	6.00	10.00	11.00	0.60	7.5	400	20 472 +03*^	500	UL
	0.0047	5.00	9.00	13.00	0.60	10.0	350	20 472 +03*^	500	UL
	0.0100	5.00	9.00	10.00	0.60	7.5	400	20 103 +03*^	500	UL
	0.0100	5.00	9.00	13.00	0.60	10.0	350	20 103 +03*^	500	UL
	0.0100	4.50	9.00	18.00	0.80	15.0	250	20 103 +03*^	500	UL
	0.0470	5.50	10.50	10.00	0.60	7.5	400	20 473 +03*^	500	UL
	0.0470	7.00	13.00	13.00	0.60	10.0	350	20 473 +03*^	500	UL
	0.0470	4.50	9.50	18.00	0.80	15.0	250	20 473 +03*^	500	UL
	0.1000	7.50	13.50	10.00	0.60	7.5	400	20 104 +03*^	500	UL
	0.1000	5.50	11.50	13.00	0.60	10.0	350	20 104 +03*^	500	UL
	0.1000	5.00	10.00	18.00	0.80	15.0	250	20 104 +03*^	500	UL
	0.4700	10.00	20.00	12.50	0.80	10.0	350	20 474 +03*^	500	UL
	0.4700	9.00	18.00	18.00	0.80	15.0	250	20 474 +03*^	500	UL
	0.4700	6.50	14.50	26.00	0.80	22.5	150	20 474 +03*^	250	UL
	0.4700	6.00	13.50	31.00	0.80	27.5	100	20 474 +03*^	100	UL
	0.6800	11.00	18.50	18.00	0.80	15.0	250	20 684 +03*^	500	UL
	0.6800	7.50	15.00	26.00	0.80	22.5	150	20 684 +03*^	250	UL
	0.6800	6.50	15.50	31.00	0.80	27.5	100	20 684 +03*^	100	UL
	1.0000	10.50	21.00	18.00	0.80	15.0	250	20 105 +03*^	500	UL
	1.0000	12.00	22.00	26.00	0.80	22.5	150	20 105 +03*^	250	UL
	1.0000	8.00	17.00	31.00	0.80	27.5	100	20 105 +03*^	100	UL
	4.7000	19.00	32.50	31.00	1.00	27.5	100	20 475 +03*^	100	UL
	4.7000	21.00	32.00	42.00	1.00	37.5	80	20 475 +03*^	50	UL
	6.8000	25.00	35.50	41.50	1.00	37.5	80	20 685 +03*^	50	UL
	10.0000	31.00	43.00	42.00	1.00	37.5	80	20 106 +03*^	50	UL
310VAC	0.0047	5.0	9.0	10.0	0.6	7.5	400	20 472 +05* ^	500	UL
	0.0047	5.0	9.0	13.0	0.6	10.0	350	20 472 +05* ^	500	UL
	0.0100	5.0	9.0	10.0	0.6	7.5	400	20 103 +05* ^	500	UL
	0.0100	5.0	9.0	13.0	0.6	10.0	350	20 103 +05* ^	500	UL
	0.0470	7.0	13.0	13.0	0.6	10.0	350	20 473 +05* ^	500	UL
	0.0470	4.5	9.5	18.0	0.6	15.0	250	20 473 +05* ^	500	UL
	0.1000	7.0	13.0	13.0	0.6	10.0	350	20 104 +05* ^	500	UL
	0.1000	6.0	12.0	18.0	0.8	15.0	250	20 104 +05* ^	500	UL
	0.2200	8.5	14.5	18.0	0.8	15.0	250	20 224 +05* ^	500	UL
	0.2200	6.0	15.0	26.0	0.8	22.5	150	20 224 +05* ^	500	UL
	0.3300	10.0	17.5	18.0	0.8	15.0	250	20 334 +05* ^	500	UL
	0.3300	7.0	17.0	26.0	0.8	22.5	150	20 334 +05* ^	500	UL
	0.8200	11.0	20.0	26.0	0.8	22.5	150	20 824 +05* ^	250	UL
	1.0000	12.0	22.0	26.0	0.8	22.5	150	20 105 +05* ^	250	UL
	1.2000	15.0	24.0	32.0	0.8	37.5	80	20 125 +05* ^	250	UL
	4.7000	20.0	31.0	41.5	0.8	37.5	80	20 475 +05* ^	100	UL
	10.0000	28.0	41.5	41.5	0.8	37.5	80	20 106 +05* ^	50	UL

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