

Interference Suppression Capacitors

Series Code
33

Safety Capacitors – Class Y2

Main Application

Ground to line application for Interference suppression.

Construction

Low inductive cell of metallized polypropylene film encased in flame retardant box potted with flame retardant epoxy.

Climatic Category

40/105/56/B

Applicable Specification

IEC 384-14

Capacitance Value

 0.001 μ F-0.033 μ F

Rated Voltage

305VAC

Capacitance Tolerance
 $\pm 10\%$, $\pm 20\%$
Insulation Resistance

 Minimum Insulation Resistance R_{IS}
 (or) time constant $T = C_R \times R_{IS}$
 at 25° C, relative humidity $\leq 65\%$
 $C_R \leq 0.33\mu F$
 $> 30,000 M\Omega$
 $C_R > 0.33\mu F$
 5000s

Voltage Proof

2100 VDC for 2 sec.

Tan δ

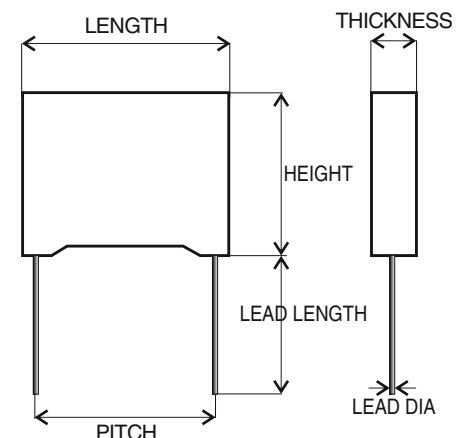
0.3% (max) at 1 kHz.

Life Test Conditions
(Loading at elevated temperature)

 Loaded at 1.25 times of rated voltage at 85 °C for 1000 hours. Once per hour; 1000 V (RMS) via resistor of 47 Ω $\pm 5\%$ for 0.1 sec.

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

 Increase of Tan δ : ≤ 0.005 , $C_R \leq 1\mu F$

 Insulation resistance: $\geq 50\%$ of the value mentioned in IR chart.

Ordering code and packaging units: Interference Suppression Capacitors
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Rated Voltage	Rated Cap. μF	Dimensions (mm)			d ± 0.05	S ± 1.0	F ± 0.5	DV/DT V/ μs	Wt. g	Ordering Code	Packing Units Bulk
		W ± 0.5	H ± 0.5	L ± 0.5							
305VAC	0.0010	4.0	9.0	13	0.6	10	10	200	0.6	33 102 +04*^	1000
	0.0015	4.0	9.0	13	0.6	10	10	200	0.6	33 152 +04*^	1000
	0.0022	4.0	9.0	13	0.6	10	10	200	0.6	33 222 +04*^	1000
	0.0033	5.0	11.0	13	0.6	10	10	200	0.9	33 332 +04*^	1000
	0.0047	6.0	12.0	13	0.6	10	10	200	1.0	33 472 +04*^	1000
	0.0068	6.0	12.0	13	0.6	10	10	200	1.0	33 682 +04*^	1000
	0.0068	5.0	11.0	18	0.8	15	15	200	1.2	33 682 +04*^	1000
	0.0100	5.0	11.0	18	0.8	15	15	200	1.2	33 103 +04*^	1000
	0.0150	6.0	13.5	18	0.8	15	15	200	1.4	33 153 +04*^	1000
	0.0220	7.5	13.5	18	0.8	15	15	200	1.9	33 223 +04*^	1000
	0.0330	8.5	14.5	18	0.8	15	15	200	2.6	33 333 +04*^	1000

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