



INTERFERENCE SUPPRESSION CAPACITORS (SAFETY CAPACITORS - CLASS X2)

MAIN APPLICATION: Suitable for radio suppression in small household appliances, audio and TV circuits, general industrial applications.

CONSTRUCTION: Low inductive cell of metallised polypropylene film encased in flame retardant box potted with flame retardant epoxy.

CLIMATIC CATEGORY: 40/100/21

APPLICABLE SPECIFICATION: IEC 384-14

CAPACITANCE VALUE: Refer dimension chart.

RATED VOLTAGE (AC): 275V.

CAPACITANCE TOLERANCE: ±10%, ±20%

VOLTAGE PROOF
2100V DC for 2 s.

INSULATION RESISTANCE

Minimum Insulation Resistance R_{IS} $C_R \leq 0.33 \mu f$ $C_R > 0.33 \mu f$
(or) time constant $T=C_R \times R_{IS}$ $>30000 M\Omega$ $>10000s$
at 25° C, relative humidity ≤ 70%

TAN δ
0.01% (maximum) at 10 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; 0.1s. 1000 V_{RMS} via resistor of 47 Ω ±5%.

AFTER THE TEST

$\Delta c/c$: ≤ 10%.

Change in Tan δ: ≤ 0.005, $C_R \leq 1 \mu f$.

Insulation resistance: ≥ 50% of specified value.

APPROVALS: Tested at ERTL (North) as per IEC 384-14.

Ordering Code and Packing Units: Interference Suppression Capacitors (Safety Capacitors) - Class X2

Rated Voltage	Rated Cap. (µf)	Dimensions (mm)						Dv/Dt V/µs	Wt g	Ordering code	Packing units	
		W ±0.2	H ±0.2	L ±0.2	d ±0.05	S ±0.5	F +0.8/-0.2				Ammo	Bulk
275V AC	0.01	5.0	11.0	13.0	0.6	10.0	10.0	500	0.8	07 103 +03* ^	1100	2000
	0.015	5.0	11.0	13.0	0.6	10.0	10.0	500	0.8	07 153 +03* ^	1100	500
	0.022	5.0	11.0	13.0	0.6	10.0	10.0	500	0.8	07 223 +03* ^	1100	500
	0.033	5.0	11.0	13.0	0.6	10.0	10.0	500	0.8	07 333 +03* ^	1100	500
	0.047	6.0	12.0	13.0	0.6	10.0	10.0	500	0.9	07 473 +03* ^	1100	500
	0.068	6.0	12.0	13.0	0.6	10.0	10.0	500	0.9	07 683 +03* ^	1100	500
	0.1	6.0	12.0	13.0	0.6	10.0	10.0	500	0.9	07 104 +03* ^	1100	500
	0.01	5.0	10.8	18.0	0.8	15.0	15.0	400	1.1	07 103 +03* ^	1000	500
	0.015	5.0	10.8	18.0	0.8	15.0	15.0	400	1.1	07 153 +03* ^	1000	500
	0.022	5.0	10.8	18.0	0.8	15.0	15.0	400	1.1	07 223 +03* ^	1000	500
	0.033	5.0	10.8	18.0	0.8	15.0	15.0	400	1.1	07 333 +03* ^	1000	500
	0.047	5.0	10.8	18.0	0.8	15.0	15.0	400	1.1	07 473 +03* ^	1000	500
	0.068	5.0	10.8	18.0	0.8	15.0	15.0	400	1.1	07 683 +03* ^	1000	500
	0.1	6.0	11.9	18.0	0.8	15.0	15.0	400	1.5	07 104 +03* ^	1000	500
	0.15	7.5	13.5	18.0	0.8	15.0	15.0	400	2.0	07 154 +03* ^	1000	500
0.22	8.5	14.5	18.0	0.8	15.0	15.0	400	2.6	07 224 +03* ^	1000	500	
0.33	10.0	16.0	18.0	0.8	15.0	15.0	400	2.8	07 334 +03* ^	1000	500	
0.15	6.0	15.0	26.5	0.8	22.5	22.5	200	2.8	07 154 +03* ^	-	400	
0.22	6.0	15.0	26.5	0.8	22.5	22.5	200	2.8	07 224 +03* ^	-	400	
0.33	7.0	16.0	26.5	0.8	22.5	22.5	200	3.5	07 334 +03* ^	-	400	
0.47	10.0	18.5	26.5	0.8	22.5	22.5	200	4.5	07 474 +03* ^	-	400	
0.68	10.0	20.0	32.0	0.8	27.5	27.5	150	4.5	07 684 +03* ^	-	200	
1.0	11.0	20.0	32.0	0.8	27.5	27.5	150	4.5	07 105 +03* ^	-	200	

The dv/dt test is carried out for 2 times above value

Box type

NOTE

- Replace the + by the code letter for the required tolerance.
F:±1%, G:±2%, H:±2.5%, J:±5%, K:±10%, M:±20%
- Replace * by the code letter for packing type.
1 : Bulk Packing
2 : Bulk Packing (After forming & cutting)
3 : Ammo Packing (F&T)
4 : Bulk Packing (forming in original pitch)
5 : Bulk Packing (formed & without cut)
6 : Ammo Packing (Straight Lead)
7 : Bulk Packing (Straight Lead cut)
- Replace ^ by the code letter indicated drawing reference.
A : As per the catalogue
B-Z : customer drawing reference
- These are the most popular values. Other values in the range are available on request.
For dimensions, please refer to the closest higher value.

