



## INTERFERENCE SUPPRESSION CAPACITORS (SAFETY CAPACITORS - CLASS Y2)

**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  $R_{IS}$   $C_R \leq 0.33 \mu f$   
(or) time constant  $T=C_R \times R_{IS} > 30000 M\Omega$   
at 20° C, relative humidity ≤ 65%

**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;  $1000 V_{RMS}$  via resistor of  $47 \Omega \pm 5\%$ .

**AFTER THE TEST**

$\Delta c/c: \leq 10\%$ .

**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 Y2**

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
250V AC	0.001	4.0	9.0	13	0.6	10	10	200	0.6	33 102 +02**^	1100	500
	0.0015	4.0	9.0	13	0.6	10	10	200	0.6	33 152 +02**^	1100	500
	0.0022	4.0	9.0	13	0.6	10	10	200	0.6	33 222 +02**^	1100	500
	0.0033	5.0	11.0	13	0.6	10	10	200	0.9	33 332 +02**^	1100	500
	0.0047	6.0	12.0	13	0.6	10	10	200	1.0	33 472 +02**^	1100	500
	0.0068	6.0	12.0	13	0.6	10	10	200	1.0	33 682 +02**^	1100	500
	0.0068	5.0	11.0	18	0.8	15	15	200	1.2	33 682 +02**^	1000	500
	0.01	5.0	11.0	18	0.8	15	15	200	1.2	33 103 +02**^	1000	500
	0.015	6.0	13.5	18	0.8	15	15	200	1.4	33 153 +02**^	1000	500
	0.022	7.5	13.5	18	0.8	15	15	200	1.9	33 223 +02**^	1000	500
	0.033	8.5	14.5	18	0.8	15	15	200	2.6	33 333 +02**^	1000	500

**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.

