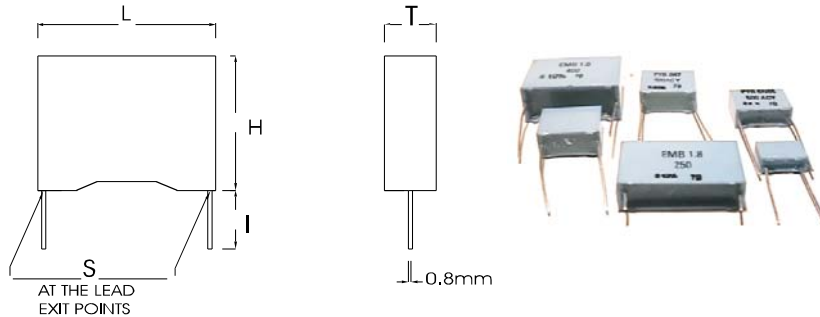


METALLIZED POLYPROPYLENE CAPACITOR BOX TYPE PYB Class Y2

These capacitors are suitable for High Voltage A.C. applications, such as mains across the line suppressors, safety capacitors of class Y from Live and Neutral to Earth, for requirements with higher pulse ratings, high voltage DC. circuits as well as D.C. timing circuit applications. They are available in the preferred values and m.m. case sizes shown below:- When not used as class Y they may be used at 500 Volts Ac due to the Series Construction



GENERAL SPECIFICATION

Manufacturing Standard.
Manufactured to IEC 384-14

1. **VOLTAGE RANGE:**
250V.A.C, as CLASS Y2, 500.A.C, 1000V.D.C.

2. **CAPACITANCE RANGE:**
.001MFD TO .22 MFD

3. **CAPACITANCE TOLERANCES:**
+20% (CODE M)

4. **OPERATING TEMPERATURE:**
-40 to +85 ° C.

5. **ENDURANCE:**
1000 HRS AT 425V.A.C

6. **TEST VOLTAGE**
1500V.D.C. 2 Sec.

7. **TANGENT OF THE LOSS ANGLE**
 $C \leq 1\mu F$ $\leq .002$

8. **ENVIRONMENTAL CLASSIFICATION:**
40/85/21

9. **INSULATION RESISTANCE.**
 $C \leq 0.33$ F 100000 M
 $C > 0.33$ F 30000 seconds.

FEATURES:

Uniform shape and high density packaging.
Non-inductive construction.
Series Metallized Construction for high ac
ionisation inception voltage

Self-healing properties.
Good solderability.
Other lead spacing available on request.
Very High insulation resistance.

CAPACITANCE AND RATED VOLTAGE					
Rated AC Voltage (ur)		250 VAC Class Y/500VAC			
Capacitance F	Pitch	Case	Stock Code	Packing	
0,001	10	C2	34/154	1000	
0,0015	10	C2	34/155	1000	
0,0022	10	C3	34/156	1000	
0,0033	10	C2	34/157	1000	
0,0047	10	C3	34/158	1000	
0,0068	15	D1	34/161	800	
0,01	15	D1	34/164	800	
0,015	15	D1	34/167	800	
0,022	15	D1	34/264	800	
0,033	15	D2	34/267	500	
0,047	15	D2	34/178	500	
0,068	22.5	E1*	PYBH2680ME0	400	
0.1	22.5	E1*	PYBH3100ME0	400	
0.15	27.5	F2*	34/185	200	
0.22	27.5	F2*	34/188	200	
NOTE 1; Numbers shown in column 3, are case sizes , see Table 1.					

TABLE 1 DIMENSIONS					
CASE CODE	L max.	H max	T max	S +.4	I min
C1	13.2	9.5	4	10	18
C2	13.2	10	4.5	10	18
C3	13.2	11.5	5	10	18
C4	12.75	12.2	6	10	18
D1	17.75	13	6.7	15	18
D2	17.75	15.2	8.2	15	18
E1	25.5	18.4	8.7	22.5	18
F1	30.6	17.7	9.35	27.5	18
F2	31	23	13.1	27.5	18

MAXIMUM PULSE RISE TIME(dv/dt)				
VAC	S=10	S=15	S=22.5	S=27.5
250 Y	100	100	100	100