PME265

- **EMI suppressor, classes Y2 and X1, metallized paper**
- **0.0022 – 0.1 µF, 250 VAC Y2, 300 VAC X1, +85 °C**
- **Safety capacitor according to IEC 65, UL 1414, CSA 22.2 No. 1**

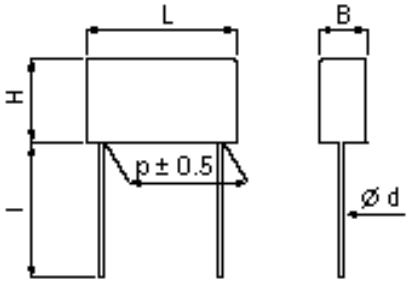
- Self-extinguishing encapsulation. The material is recognized according to UL 94V-0.
- High dU/dt capability.
- Excellent self-healing properties. Ensures long life even when subjected to frequent overvoltages
- Good resistance to ionisation due to impregnated dielectric.
- Excellent as “click suppressor” in electronic home applications
- Meets or exceeds various safety standards: IEC 65, UL1414, VDE0565-1, VDE0860 etc.

TYPICAL APPLICATIONS

For use in mains operated electronic equipment requiring safety components according to IEC 65, edition 5, and/or national standards based on that document.

CONSTRUCTION

Multi-layer metallized paper. Encapsulated and impregnated in self-extinguishing material meeting the requirements of UL 94V-0.



d = 0.8 for p = 15.2 and 20.3
1.0 for p = 25.4

l = standard: 30 +5/-0 mm
option : short leads, tolerance +0/-1 mm
(standard 6 mm, code R06)
Other lead lengths on request

TECHNICAL DATA

Rated voltage	250 VAC, Y2; 300 VAC, X1; 50/60 Hz
Capacitance range	0.0022 – 0.1 µF
Capacitance tolerance	±20%
Temperature range	–40 to +85°C
Climatic category	IEC 40/085/56/B
Approvals	S, N, D, FI, VDE, SEV, UL, CSA
Dissipation factor	≤ 1.3 % at 1 kHz
Insulation resistance	≥ 12000 MΩ Measured at 500 VDC after 60 s, +23°C
In DC applications	Recommended voltage: ≤ 1000 VDC
Test voltage between terminals	The 100% screening factory test is carried out at 2000 VAC, 50 Hz, 2 s and at 3000 VDC, 1 s. The voltage level is selected to meet the requirements in applicable equipment standards. All electrical characteristics are checked after the test.

ENVIRONMENTAL TEST DATA

Vibration	IEC 68-2-6 Test Fc	3 directions at 2 hour each 10 – 500 Hz at 0.75 mm or 98 m/s²	No visible damage No open or short circuit
Bump	IEC 68-2-29 Test Eb	4000 bumps at 390 m/s²	No visible damage No open or short circuit
Solderability	IEC 68-2-20 Test Ta	Solder globule method	Wetting time for d ≤ 0.8 < 1 s for d > 0.8 < 1.5
Active flammability	EN 132400		
Passive flammability	IEC 384-14 (1993) EN 132400 UL1414	Enclosure material of UL94V–0 flammability class	
Humidity	IEC 68-2-3 Test Ca	+40 °C and 90 – 95% R.H.	56 days

ARTICLE TABLE

Capacitance µF	Max dimensions in mm B	H	L	p	Quantity per package reel R30 pcs	R06 pcs	taped pcs	Weight g	f_o MHz	Max dU/dt V/µs	Approvals S	N	D	FI	VDE	SEV	UL	CSA	Article code 1 st block
0.0022	5.1	10.5	13.5	10.2	800	1600	600	1.2	35.0	2000	√	√	√	√	√	√	√	√	PME265MA422M *
0.0033	5.1	10.5	13.5	10.2	800	1600	600	1.2	29.0	2000	√	√	√	√	√	√	√	√	PME265MA433M *
0.0039	5.1	10.5	13.5	10.2	800	1600	600	1.2	27.0	2000	√	√	√	√	√	√	√	√	PME265MA439M *
0.0047	5.1	10.5	13.5	10.2	800	1600	600	1.2	25.0	2000	√	√	√	√	√	√	√	√	PME265MA447M *
0.0068	5.2	10.5	18.5	15.2	500	1000	600	1.7	18.5	1400	√	√	√	√	√	√	√	√	PME265MB468M *
0.010	5.2	10.5	18.5	15.2	500	1000	600	1.7	15.5	1400	√	√	√	√	√	√	√	√	PME265MB510M *
0.015	5.5	11.1	18.5	15.2	500	1000	500	2.0	13.0	1400	√	√	√	√	√	√	√	√	PME265MB515M *
0.022	8.5	14.3	18.5	15.2	300	600	350	3.8	9.6	1400	√	√	√	√	√	√	√	√	PME265MB522M *
0.033	7.6	14.0	24.0	20.3	250	1500	250	4.0	9.6	1000	√	√	√	√	√	√	√	√	PME265MC533M**
0.047	9.0	15.0	24.0	20.3	200	1200	250	5.0	7.5	1000	√	√	√	√	√	√	√	√	PME265MC547M**
0.068	11.3	16.5	24.0	20.3	150	1000	180	7.0	6.2	1000	√	√	√	√	√	√	√	√	PME265MC568M**
0.10	12.1	19.0	30.5	25.4	100	800		10.0	3.9	600	√	√	√	√	√	√	√	√	PME265ME610M**

* Please replace with PME290 , see page 130.
** Please replace with PME271Y, 300 VAC, see page 120.

APPROVALS/REFERENCE DOCUMENTS

Country	Specification	Approval reference
S = Sweden	EN 132400	9516078 (Y2, X1)
N = Norway	EN 132400	P95102014 (Y2, X1)
D = Denmark	EN 132400	303976 (Y2, X1)
FI = Finland	EN 132400	182767-01 (Y2) 182807 (X1)
VDE = Germany	VDE 0860/8.86	12255
	VDE 0565 Teil 1/12.79	27987
SEV = Switzerland	EN 132400	96.7 70091.01
UL = USA	UL 1414 Across-the-line, Antenna-coupling and Line-by-pass (UR = 250 VAC)	E 73869
CSA = Canada	C 22.2 No. 8-M 1986	53108
	C 22.2 No. 1	53108

MARKING

- RIFA
- RIFA article code
- Rated capacitance
- Rated voltage
- IEC 65
- SH, for self healing
- Climatic category according to IEC 68-1, appendix A
- Passive flammability class
- Approval marks
- Manufacturing code (year, month)

ORDERING INFORMATION

Article code

1st block	2nd block
See article table Pos. 13, capacitance tolerance code: M = ± 20%	Options: Short leads: e.g. 6 mm, add R06 in pos. 13–15 Reel taped: Add T0 or T1 in pos. 13–14
P M E 2 6 5 M A 4 2 2 M	**R 0 6**
1 2 3 4 5 6 7 8 9 10 11 12	13 14 15 16 17 18 19 20

PACKING

Capacitors in standard design (Lead length 30 mm) and with L < 24 mm and lead length 5 or 6 mm are packed bulk in a box with dimensions 245 x 145 x 80 mm. Quantity/package as per article table.

Capacitors with L ≥ 24 mm and lead length 5 or 6 mm are packed on trays piled in a box with dimensions 300 x 260 x 195 mm. Quantity/package as per article table.

Reels with taped capacitors are packed 10 in a box with dimension 370 x 370 x 560 mm. The standard quantity/reel is for 360 mm reel. If 500 mm reel is required, it must be specified when ordering and the quantity is 2 x the given quantity.