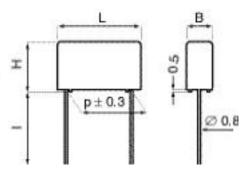
PME291

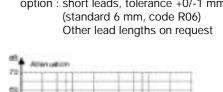
- EMI suppressor, class Y2, metallized paper
- 0.001 0.022 µF, 300 VAC, +115 °C
- · Self-extinguishing encapsulation. The material is recognized according to UL 94 V-0.
- · Very precise positioning of the leads in relation to the case giving efficient utilisation of PC board space.
- · Excellent self-healing properties. Ensures long life even when subjected to frequent overvoltages.
- · High dU/dt capability.
- · Good resistance to ionisation due to impregnated dielectric.
- · The capacitors meet the most stringent IEC humidity class, 56 days.
- The impregnated paper ensures excellent stability giving outstanding reliability properties, especially in applications having continuous operation.

TYPICAL APPLICATIONS CONSTRUCTION

The capacitors are intended for use as Multi-layer metallized paper. Encapsulated and impregnated in self-extinguishing material interference suppressors in Y2 applications, meeting the requirements of UL 94V-0. line-to-earth.



standard : 30 +5/-0 mm option: short leads, tolerance +0/-1 mm (standard 6 mm, code R06)



Suppression versus frequency. Typical values.

GENERAL DATA

300 VAC 50/60 Hz Rated voltage Capacitance range $0.001 - 0.022 \, \mu F$

Capacitance tolerance ± 20%

Temperature range -40 to +115°C

Climatic category IEC 40/115/56/B

Approvals S, VDE, UL, CSA Dissipation factor tan δ ≤1.3 % at 1 kHz

Insulation resistance 12000 MO

Measured at 500 VDC after 60 s, +23°C

Resonance frequency Tabulated self-resonance frequencies for refer to

5 mm lead length.

Recommended voltage: ≤ 1000 VDC In DC applications

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

IEC 60068-2-6 3 directions at 2 hour each Vibration No visible damage Test Fc 10 - 500 Hz at 0.75 mm or 98 m/s² No open or short circuit

IEC 60068-2-29 4000 bumps at 390 m/s² No visible damage **Bump** No open or short circuit Test Fb

Solderability IEC 60068-2-20, Test Ta Solder globule method Wetting time < 1s

Active flammability EN 132400

Passive flammability IEC 60384-14 (1993)

EN 132400

Humidity IEC 60068-2-3, Test Ca +40°C and 90 - 95% R.H. 56 days



ARTICLE TABLE

Capaci-	Max dimensions in mm				Quant	Quantity per package reel					Αp	Approvals			
tance µF	В	Н	L	р	R30 pcs	R06 pcs	taped pcs	Weight g	f o MHz	Max dU/dt V/μs	တ	VDE	님	SSA	Article code 1 st block
0.0010	4.5	11.5	13.0	10.0	800	1600	700	1.2	56.0	2000					PME291EA4100M
0.0015	4.5	10.5	13.0	10.0	800	1600	700	1.1	46.0	2000					PME291EA4150M
0.0022	5.5	10.5	13.0	10.0	800	1200	600	1.3	39.0	2000					PME291EA4220M
0.0025	5.5	10.5	13.0	10.0	800	1200	600	1.3	36.0	2000					PME291EA4250M
0.0033	5.5	12.5	13.0	10.0	800	1200	600	1.5	31.0	2000					PME291EA4330M
0.0039	5.5	12.5	13.0	10.0	800	1200	600	1.5	28.0	2000					PME291EA4390M
0.0047	5.5	13.5	13.0	10.0	600	1200	600	1.6	26.0	2000					PME291EA4470M
0.0047	5.5	13.0	18.0	15.0	500	1000	600	1.9	23.0	1400					PME291EB4470M
0.0068	5.5	14.0	18.0	15.0	500	800	600	2.0	18.0	1400					PME291EB4680M
0.010	7.5	13.5	18.0	15.0	400	600	400	2.6	15.0	1400					PME291EB5100M
0.015	8.5	14.5	18.0	15.0	250	500	400	3.0	12.0	1400					PME291EB5150M
0.022	8.5	17.0	18.0	15.0	250	400	400	3.6	9.8	1400					PME291EB5220M

P = Approvals pending

APPROVALS/REFERENCE DOCUMENTS							
Country	Specification	Approval reference					
S = Sweden VDE = Germany UL = USA CSA = Canada	EN 132400 EN 132400 UL 1414 (250 VAC) C 22.2 No. 8 (250 VAC)	9909056/01 123537 E73869 53108					

MARKING

- RIFA
- · RIFA article code
- Rated capacitance
- Rated voltage
- Y2
- Climatic category according to IEC 60068-1, 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: $M = \pm 20\%$	Options: Short leads: e.g. 6 mm, add R06 in pos. 14–16. Reel taped: Add T0 or T1 in pos. 14–15.						
P M E 2 9 1 E A 4 2 2 0 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 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.

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.

