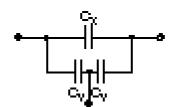


# Delta EMI Capacitors

This section covers components with one X2 rated and two Y2 rated capacitors mounted in delta form.





# **PZB300**

## Delta EMI suppressor, classes X2 and Y2, metallized paper 0.1 and 0.15 μF X2, 2200, 3300 and 4700 pF Y2, 275 VAC, +100 °C

**TECHNICAL DATA** 

- Class X2 and Y2
- Compact size •

**Rated voltage** 

Capacitance X value, µF

Capacitance Y value, pF

**Capacitance tolerance** 

**Temperature range** 

**Climatic category** 

**Dissipation factor** 

Insulation resistance

Test voltage between

Approvals

terminals

- Self-extinguishing encapsulation. •
- PCB mounting or fast-on connection
- Excellent self-healing properties. ٠

#### **TYPICAL APPLICATIONS**

Interference suppressors with X2 + 2 x Y2 capacitors in a delta configuration.

Ensures long life even when subjected to frequent overvoltages.

• High dU/dt capability.

275 VAC 50/60 Hz

2200, 3300 and 4700

0.1 and 0.15

-40 to +100°C

IEC 40/100/56/B

1.3 % at 1 kHz

checked after the test.

Measured at 500 VDC after 60 s, +23°C

carried out at 1800 VDC for X2 capacitors and at 2700 VDC for Y2 capacitors. The voltage level is selected to meet the

The 100% screening factory test is

S, UL, CSA

12000 M

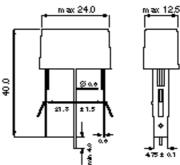
± 20%

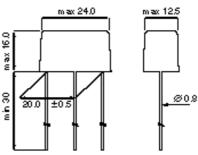
Good resistance to ionisation due to impregnated dielectric material.

# CONSTRUCTION

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

• The impregnated paper ensures excellent stability giving oustanding reliability properties, especially in applications having continuous operation.







99

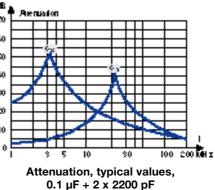
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**ENVIRONMENTAL TEST DATA** 

			<b>NI 1911 I</b>	Suppression vs. fre
Vibration	IEC 68-2-6 Test Fc	3 directions at 2 hour each 10 – 500 Hz at 0.75 mm or 98 m/s <sup>2</sup> (PZB300MC mounted on PC	No visible damage No open or short circuit C-board)	С 70 Англиатоп 60 Население на селение на
Bump	IEC 68-2-29 Test Eb	4000 bumps at 390 m/s²	No visible damage No open or short circuit	50 40
Solderability	IEC 68-2-20 Test Ta	Solder globule method	Wetting time <1 s	
Active flammability	EN 132400			
Passive flammability	IEC 384-14 (1993) EN 132400	)		Attenuation, typica 0.1 μF + 2 x 220
Humidity	IEC 68-2-3 Test Ca	+40°C and 90 – 95% R.H.	56 days	

frequency



# R EVOX RIFA

# ARTICLE TABLE

Capacitance Max dimensions			sions		Quantity per package				U/dt	Approvals		
C <sub>x</sub> μF	С <sub>ү</sub> pF	in m B	m H	L	р	R30 pcs	R06 pcs	Weight g	V/µs C <sub>x</sub>	C <sub>y</sub>	s CSA CSA	Article code 1 st block
0.1	2200	12.5	16.0	24.0	20.0	150	1000	7.5	600	1000		PZB300MC11
0.1	3300	12.5	16.0	24.0	20.0	150	1000	7.5	600	1000		PZB300MC12
0.1	4700	12.5	16.0	24.0	20.0	150	1000	7.5	600	1000		PZB300MC13
0.15	2200	12.5	16.0	24.0	20.0	150	1000	7.5	600	1000		PZB300MC21
0.15	3300	12.5	16.0	24.0	20.0	150	1000	7.5	600	1000		PZB300MC22
0.15	4700	12.5	16.0	24.0	20.0	150	1000	7.5	600	1000		PZB300MC23

### **APPROVALS/REFERENCE DOCUMENTS**

Country	Specification	Approval reference
S = Sweden UL = USA CSA = Canada	EN 132400 UL 1283 C 22.2 No. 8-1982	9650188-01 E 100117 53108

# MARKING

- FA
- A article code
- ated capacitance (X and Y)
- ted voltage
- and Y2
- SH, for self healing
- Climatic category according to IEC 68-1, appendix A
- Passive flammability class
- Approval marks
- Circuit diagram
- Manufacturing code (year, month)

15	t bl	ock								2nd	bloc	k
Se	ee a	rticle	e tab	ble						Sho in p	os. 1	ds: e.g. 6 mm, add R06 1–13. Add TAG in pos. 11–13
Ρ	z	в	3	0	0	м	с	1	1	R	0	6
		3	4	5	6	7	8	9	10	11	10	13

**ORDERING INFORMATION** 

#### PACKING

Capacitors in standard design are packed bulk in a box with dimensions 245 x 145 x 80 mm. Quantity/package as per article table.

Capacitors with 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.



