

Efficient Filtering - X2 / 305 V AC - B3292xE/F

Series/Type: B32923, B32924, B32926, B32928

Date: February 2008

Version:



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Recommended applications

- X2 class for interference suppression
- "Across-the-line" applications

Climatic

- Maximum operating temperature of 110 °C
- Climatic category (IEC 60068-1): 40/110/56

Construction

- Dielectric: Polypropylene (MKP)
- Plastic case (UL 94 V-0)
- Epoxy resin sealing (UL 94 V-0)

Features

- Capacitance value up to 45µF
- Very small dimensions
- Good self-healing properties
- High voltage capability

Terminals

- Parallel wire leads, lead-free tinned
- Standard lead lengths: 6-1mm
- Special lead lengths are available on request

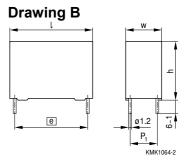
Marking

- Manufacturer's logo and lot number, date code, rated capacitance (coded), capacitance tolerance (code letter) and rated ac voltage (IEC),
- Series number, sub-class (X2), dielectric code (MKP), climatic category, passive flammability category, approvals.

Delivery mode

- Bulk (untaped)
- Reel

Drawing A w gd1 KMK0835-P-E

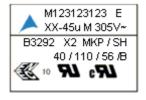


Dimensions in mm

Dimensions

Lead spacing ±0.4 (mm)	Lead diameter d ₁ (mm)	Туре	Drawing
22.5	0.8	B32923	Α
27.5	0.8	B32924	Α
37.5	1.0	B32926	Α
52.5	1.2	B32928	В

Marking example



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Approvals

Standards	Certificate	Marks of Conformity
IEC 60384-14	40021331	1 10
UL1283	E301966	<i>91</i>
CSA C22.2 No.8	E301966	cSN ¹⁾

¹⁾ approved by UL

Technical data

Maximum continuous AC voltage	310 V (50/60 Hz)
Rated AC voltage (IEC 60384-14)	305 V (50/60 Hz)
Maximum operating temperature T _{op,max}	+110 °C
DC test voltage	2121 V, 2 s
Dissipation factor tan δ (in 10 ⁻³) at 20 °C, (upper limit values)	At 1 kHz: 2
Insulation resistance R_{ins} or time constant $\tau = C_R \cdot R_{ins}$ at 100 V DC, 20 °C,	30 000 s
rel. humidity ≤ 65% and for 60 s	
(minimum "as delivered" values)	
Passive flammability category to IEC 40 (CO) 752	В
Capacitance Tolerances (measured at 1 kHz)	±10% (K), ±20% (M)

dV/dt and K₀ values

е	22.5	27.5	37.5	52.5
dV/dt (V/μs)	140	100	70	40
K_0 (V^2/μ s)	120414	86010	60207	34404

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Ordering codes and packing units

© ±0.4 mm	C _R	Max. dimensions	Ordering code	Ammo pack	Reel pcs/unit	Untaped pcs/unit
		w×h×l				
	μF	mm		pcs/unit		
22.5	2.2	12.0 × 22.0 × 26.5	B32923E3225M***	_	_	450
	3.3	14.5 × 29.5 × 26.5	B32923E3335+***	Ī-	1-	260
27.5	2.2	11.0 × 21.0 × 31.5	B32924E3225M***	1-	350	588
	2.2	12.5 × 21.5 × 31.5	B32924F3225K***	1-	300	525
	3.3	14.0 × 24.5 × 31.5	B32924E3335M***	1-	250	462
	3.3	15.0 × 24.0 × 31.5	B32924F3335K***	1-	1-	420
	4.7	18.0 × 27.5 × 31.5	B32924E3475M***	1-	1-	357
	4.7	16.0 × 32.0 × 31.5	B32924F3475K***	1-	1-	266
	5.6	18.0 × 33.0 × 31.5	B32924F3565+***	1-	1-	238
	6.8	21.0 × 31.0 × 31.5	B32924E3685M***	1-	1-	196
	6.8	22.0 × 36.5 × 31.5	B32924F3685K***	1-	1-	196
	8.2	22.0 × 36.5 × 31.5	B32924E3825M***	1-	1-	196
37.5	2.2	12.0 × 22.0 × 42.0	B32926E3225+***	1-	1-	405
	3.3	12.0 × 22.0 × 42.0	B32926E3335M***	Ī-	1-	405
	4.7	14.0 × 25.0 × 42.0	B32926E3475M***	1-	1-	345
	6.8	18.0 × 32.5 × 42.0	B32926E3685+***	1-	1-	180
	10	20.0 × 39.5 × 42.0	B32926E3106+***	1-	1-	160
	15	28.0 × 37.0 × 42.0	B32926E3156+***	1-	1-	55
	20	28.0 × 42.5 × 42.0	B32926E3206M***	1-	1-	110
	20	30.0 × 45.0 × 42.0	B32926F3206K***	1-	1-	50
52.5	25	30.0 × 45.0 × 57.5	B32928E3256+***	Ī-	1-	70
	30	30.0 × 45.0 × 57.5	B32928E3306+***	-	-	70
	40	35.0 × 50.0 × 57.5	B32928E3406+***	-	-	27
	45	35.0 × 50.0 × 57.5	B32928E3456M***	_	_	27

Bold types are preferred types. Further E series and intermediate capacitance values are available on request.

Composition of ordering code

+ = Capacitance tolerance code *** = Packing code

 $M = \pm 20\%$ 000 = Untaped (lead length 6–1mm)

 $K = \pm 10\%$ 189 = Reel pack

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