

Umbrella Specification
Product Content Sheet and Package Weight List

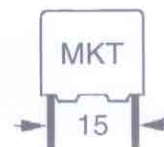
Metallized Film Capacitor

Product Family Name	Boxed	Part Numbers: BCcomponents: Series 370-373, 470, 383, 416-420 EPCOS: B32XXX... / B811XX....
Date	03.01.2003	
Version	01	

Construction Element	Material group	Materials	CAS if applicable	min	typical mass [wt-%]	max	Sum [%]	Traces
Active Part	Metals	Al/Zn/Sn/Cu foil and metal spraying		1	17	20	40	
	Polymers	PP/PET (film material)		13	23	50		
Encapsulation	Polymers	Epoxid (brominated)		12	20	44	58	
	Polymers	PP/PBT (plastic box)		18	38	48		
	Oxides	Sb ₂ O ₃	1309-64-4	0	0	4		
Termination	Metals	Fe /Cu/Sn (wires)		2	2	24	2	
	Metals	Pb (in solder finish)		0	0	0,05		
Sum in total:							100	

Case sizes and weight range:	pitch	L x W x H [mm]	Weight [g]
	RM 5	7,2 x 6,0 x 11,0	0,6
	RM 7,5	10,0 x 4,0 x 9,0	0,7
	RM 10	12,5 x 6,0 x 12,0	1,0
	RM 15	17,7 x 10,0 x 16,5	3,2
	RM 22,5	26,0 x 12,0 x 22,0	7,8
	RM 27,5	31,0 x 21,0 x 31,0	20,4
18x7,0x12,5			
Not part of package family			

Company	BCcomponents	Important remarks: 1) Traces are product parts, substances etc. that are below a percentage of 0.1 % by weight. Higher limits are accepted if the substance or material is legally regulated (see note no. 2). 2) A list of the (legal) "... restrictions on substances ..." or materials is available at internet address: http://www.eicta.org/Content/Default.asp?PageID=211 . 3) Substances, materials etc. with possible harmful effects on human beings and the environment are listed. 4) There are no risks for human beings and to the environment if products are properly used as designated. This shall not apply to risks caused during procedures for disposal etc. 5) All statements herein are based on our present knowledge. If our products are used properly, there are no risks to human beings and/or the environment.
	EPCOS AG	



Ordering codes and packing units, lead spacing 15 mm

V_R (V_{rms} , $f \leq 60$ Hz)	C_R	Maximum dimensions $b \times h \times l$ (mm)	Ordering code ¹⁾	Packing units (pcs)		
				Ammo pack	Reel	Untaped
63 Vdc (40 Vac)	0,68 μF	5,0 $\times$ 10,5 $\times$ 18,0	B32522-C684-+***	1170	1300	1000
	1,0 μF	5,0 $\times$ 10,5 $\times$ 18,0	B32522-C105-+***	1170	1300	1000
	1,5 μF	5,0 $\times$ 10,5 $\times$ 18,0	B32522-C155-+***	1170	1300	1000
	2,2 μF	5,0 $\times$ 10,5 $\times$ 18,0	B32522-C225-+***	1170	1300	1000
	3,3 μF	6,0 $\times$ 11,0 $\times$ 18,0	B32522-C335-+***	960	1100	1000
	4,7 μF	7,0 $\times$ 12,5 $\times$ 18,0	B32522-C475-+***	830	900	1000
	6,8 μF	8,5 $\times$ 14,5 $\times$ 18,0	B32522-C685-+***	680	700	500
	10 μF	9,0 $\times$ 17,5 $\times$ 18,0	B32522-C106-+***	640	700	500
100 Vdc (63 Vac)	0,33 μF	5,0 $\times$ 10,5 $\times$ 18,0	B32522-C1334-+***	1170	1300	1000
	0,47 μF	5,0 $\times$ 10,5 $\times$ 18,0	B32522-C1474-+***	1170	1300	1000
	0,68 μF	5,0 $\times$ 10,5 $\times$ 18,0	B32522-C1684-+***	1170	1300	1000
	1,0 μF	5,0 $\times$ 10,5 $\times$ 18,0	B32522-C1105-+***	1170	1300	1000
	1,5 μF	6,0 $\times$ 11,0 $\times$ 18,0	B32522-C1155-+***	960	1100	1000
	2,2 μF	7,0 $\times$ 12,5 $\times$ 18,0	B32522-C1225-+***	830	900	1000
	3,3 μF	8,5 $\times$ 14,5 $\times$ 18,0	B32522-C1335-+***	680	700	500
	4,7 μF	9,0 $\times$ 17,5 $\times$ 18,0	B32522-C1475-+***	640	700	500
250 Vdc (160 Vac)	0,10 μF	5,0 $\times$ 10,5 $\times$ 18,0	B32522-C3104-+***	1170	1300	1000
	0,15 μF	5,0 $\times$ 10,5 $\times$ 18,0	B32522-C3154-+***	1170	1300	1000
	0,22 μF	5,0 $\times$ 10,5 $\times$ 18,0	B32522-C3224-+***	1170	1300	1000
	0,33 μF	5,0 $\times$ 10,5 $\times$ 18,0	B32522-C3334-+***	1170	1300	1000
	0,47 μF	6,0 $\times$ 11,0 $\times$ 18,0	B32522-C3474-+***	960	1100	1000
	0,68 μF	7,0 $\times$ 12,5 $\times$ 18,0	B32522-C3684-+***	830	900	1000
	1,0 μF	8,5 $\times$ 14,5 $\times$ 18,0	B32522-C3105-+***	680	700	500
	1,0 $\mu F^{2)}$	8,5 $\times$ 14,5 $\times$ 18,0	B32522-N3105-+***	680	700	500
	1,5 μF	9,0 $\times$ 17,5 $\times$ 18,0	B32522-C3155-+***	640	700	500
	1,5 $\mu F^{2)}$	9,0 $\times$ 17,5 $\times$ 18,0	B32522-N3155-+***	640	700	500

Capacitance tolerance: $\pm 20\% \hat{=}$ M, $\pm 10\% \hat{=}$ K, $\pm 5\% \hat{=}$ J

1) + Code letter for capacitance tolerance

*** Code number for packing: Ammo pack = 289, reel = 189

The ordering code for untaped components ends after the tolerance code letter.

For capacitors with 3,2 mm lead length, append code number "3" to the tolerance code, e.g.: B32522-C684-K3

2) Wound capacitor technology

Standard applications

Construction

- Dielectric: polyethylene terephthalate (polyester)
- Stacked-film technology for lead spacing 5 and 7,5 mm as well as for 10 and 15 mm (63 ... 400 Vdc)
- Wound capacitor technology for lead spacing 10 mm (630 Vdc), for lead spacing 15 mm (250 ... 630 Vdc), for lead spacing 22,5 and 27,5 mm
- Plastic case (UL 94 V-0)
- Epoxy resin sealing

Features

- High pulse strength
- High contact reliability

Terminals

- Parallel wire leads, tinned
- Also available with $(3,2 \pm 0,3)$ mm lead length
- Special lead lengths available upon request

Marking

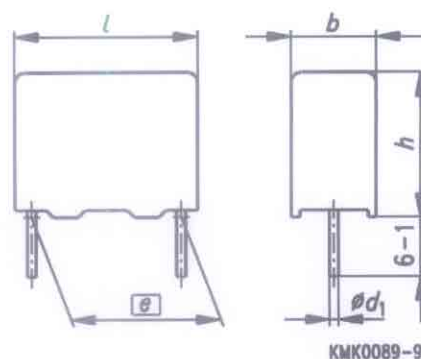
Manufacturer's logo,
lot number, style and type (T5xx) for lead spacing ≥ 10 mm,
type (coded) for lead spacing 5 mm (B32529 $\hat{=}$ 1),
rated capacitance (coded),
capacitance tolerance (code letter),
rated dc voltage,
date of manufacture (coded)

Delivery mode

Bulk (untaped)

Taped (Ammo pack or reel)

For notes on taping, refer to chapter "Taping and packing", page 274.



Dimensions in mm

Lead spacing $e \pm 0,4$	Diameter d_1	Type
5,0	0,5	B 32 529
7,5	0,5	B 32 520
10,0	0,5 ¹⁾ / 0,6	B 32 521
15,0	0,8	B 32 522
22,5	0,8	B 32 523
27,5	0,8	B 32 524

1) 0,5 mm for capacitor width $b = 4$ mm

2.2M 100V cc
63V cc
pas 15mm