

General purpose (stacked/wound)
Typical applications

- Blocking
- Coupling, decoupling
- Bypassing
- RFI for automotive

Climatic

- Max. operating temperature: 125 °C
- Climatic category (IEC 60068-1): 55/125/56

Construction

- Dielectric: polyethylene terephthalate (polyester, PET)
- Stacked-film technology for lead spacing 5 to 15 mm
= code C, D or E in digit 7 of ordering code
- Wound capacitor technology for lead spacing 10 to 37.5 mm
= code N, Q or R in digit 7 of ordering code
- Plastic case (UL 94 V-0)
- Epoxy resin sealing (UL 94 V-0)

Features

- High pulse strength
- High contact reliability

Terminals

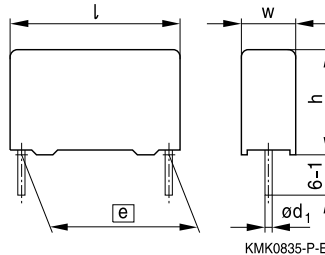
- Parallel wire leads, lead-free tinned
- Special lead lengths available on request

Marking

Manufacturer's logo,
rated capacitance (coded), cap. tolerance (code letter),
rated DC voltage, date of manufacture (coded),
coded type ("1") for lead spacing 5 mm,
series and lot number for lead spacing ≥ 10 mm

Delivery mode

Bulk (untaped)
Taped (Ammo pack or reel)
For notes on taping, refer to chapter "Taping and packing".

Dimensional drawing


Dimensions in mm

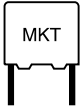
Lead spacing $e \pm 0.4$	Lead diameter d_1	Type
5.0	0.5	B32529
7.5	0.5	B32520
10.0	0.6 ¹⁾	B32521
15.0	0.8	B32522
22.5	0.8	B32523
27.5	0.8	B32524
37.5	1.0	B32526

1) 0.5 mm for capacitor width $w = 4$ mm

Overview of available types

Lead spacing	5.0 mm					7.5 mm				10.0 mm				
Type	B32529					B32520				B32521				
Page	6					10				12				
Technology	s	s	s	s	s	s	s	s	s	s	s	s	s	s
V_R (V DC)	63	100	250	400	630	63	100	250	400	63	100	250	400	630
V_{RMS} (V AC)	40	63	160	200	400	40	63	160	200	40	63	160	200	200
C_R (μ F)														
0.0010														
0.0015														
0.0022														
0.0033														
0.0047														
0.0068														
0.010														
0.015														
0.022														
0.033														
0.047														
0.068														
0.10														
0.15														
0.22														
0.33														
0.47														
0.68														
1.0														
1.5														
2.2														
3.3														
4.7														

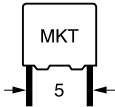
Technology: s = Stacked-film technology / w = Wound capacitor technology



Overview of available types

Lead spacing	15.0 mm					22.5 mm					27.5 mm					
Type	B32522					B32523					B32524					
Page	14					17					18					
Technology	s	s/w	s/w	s	w	s	w	w	w	w	w	w	w	w	w	
V_R (V DC)	63	100	250	400	450	630	63	100	250	400	630	63	100	250	400	630
V_{RMS} (V AC)	40	63	160	200	200	200	40	63	160	200	200	40	63	160	200	220
C_R (μ F)																
0.047																
0.068																
0.10																
0.15																
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2.2																
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4.7																
6.8																
10																
15																
22																
33																
47																
68																
100																

Technology: s = Stacked-film technology / w = Wound capacitor technology


B32529
General purpose (stacked)
Ordering codes and packing units (lead spacing 5 mm)

V_R	V_{RMS} $f \leq 60$ Hz	C_R	Max. dimensions $w \times h \times l$ mm	Ordering code (composition see below)	Ammo pack pcs./MOQ	Reel pcs./ MOQ	Untaped pcs./ MOQ
V DC	V AC	μF					
250	160	0.0010	2.5 × 6.5 × 7.2	B32529C3102+***	12800	11200	8000
		0.0015	2.5 × 6.5 × 7.2	B32529C3152+***	12800	11200	8000
		0.0022	2.5 × 6.5 × 7.2	B32529C3222+***	12800	11200	8000
		0.0033	2.5 × 6.5 × 7.2	B32529C3332+***	12800	11200	8000
		0.0047	2.5 × 6.5 × 7.2	B32529C3472+***	12800	11200	8000
		0.0068	2.5 × 6.5 × 7.2	B32529C3682+***	12800	11200	8000
		0.010	2.5 × 6.5 × 7.2	B32529C3103+***	12800	11200	8000
		0.015	2.5 × 6.5 × 7.2	B32529C3153+***	12800	11200	8000
		0.022	2.5 × 6.5 × 7.2	B32529C3223+***	12800	11200	8000
		0.033	3.0 × 6.5 × 7.2	B32529C3333+***	10800	9600	8000
		0.047	3.5 × 8.0 × 7.2	B32529C3473+***	9200	8000	8000
		0.068	4.5 × 9.5 × 7.3	B32529C3683+***	7200	6000	6000
		0.10	4.5 × 9.5 × 7.3	B32529C3104+***	7200	6000	6000
		0.15	5.0 × 10.0 × 7.5	B32529C3154+***	6400	5600	6000
		0.22	7.8 × 13.0 × 7.8	B32529D3224+***	4000	3200	4000
		0.33	7.8 × 13.0 × 7.8	B32529C3334+***	4000	3200	4000
		0.47	7.8 × 13.0 × 7.8	B32529C3474+***	4000	3200	4000

MOQ = Minimum Order Quantity, consisting of 4 packing units.

Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:

M = ±20%

K = ±10%

J = ±5%

*** = Packaging code:

289 = Ammo pack

189 = Reel

000 = Untaped (lead length 6 – 1 mm)