

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 D or C in digit 7 of ordering code
- Wound capacitor technology for lead spacing 10 to 27.5 mm
= code N, Q or T 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

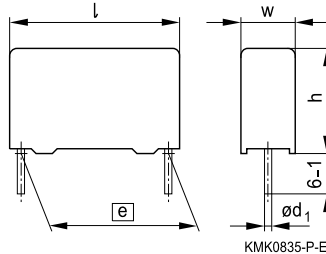
Marking

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".

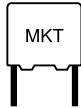
Dimensional drawing



Dimensions in mm

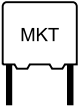
Lead spacing $e \pm 0.4$	Lead diameter d_1	Type
5.0	0.5	B32529
7.5	0.5	B32520
10.0	0.6 ¹⁾	B32521
15.0	0.8	B32522
22.5	0.8	B32523
27.5	0.8	B32524

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	5						9				11				
Technology	s	s	s	s	s	s	s	s	s	s	s	s	s	s	w
V_R (VDC)	50	63	100	250	400	630	63	100	250	400	63	100	250	400	630
V_{rms} (VAC)	32	40	63	160	200	400	40	63	160	200	40	63	160	200	200
C_R (μF)															
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															

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



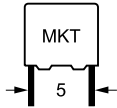
B32520 ... B32529

General purpose (stacked/wound)

Overview of available types

Lead spacing	15.0 mm						22.5 mm						27.5 mm					
Type	B32522						B32523						B32524					
Page	13						15						16					
Technology	s	s/w	s/w	s	w	w	w	w	w	w	w	w	w	w	w	w	w	
V_R (VDC)	63	100	250	400	450	630	63	100	250	400	630	63	100	250	400	630		
V_{rms} (VAC)	40	63	160	200	200	200	40	63	160	200	200	40	63	160	200	220		
C_R (μF)					NEW							NEW						
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																		
6.8																		
10																		
15																		
22																		
33																		
47																		
68																		

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


Ordering codes and packing units (lead spacing 5 mm)

V_R	V_{rms} $f \leq 60$ Hz VAC	C_R μF	Max. dimensions $w \times h \times l$ mm	Ordering code (composition see below)	Ammo pack pcs./unit	Reel pcs./unit	Untaped pcs./unit
50	32	0.33	$3.0 \times 6.5 \times 7.2$	B32529C5334+***	2700	2400	2000
		0.47	$3.5 \times 8.0 \times 7.2$	B32529C5474+***	2300	2000	2000
		0.68	$4.5 \times 9.5 \times 7.3$	B32529C5684+***	1800	1500	1500
		1.0	$4.5 \times 9.5 \times 7.3$	B32529C5105+***	1800	1500	1500
		1.5	$6.0 \times 10.5 \times 7.5$	B32529C5155+***	1300	1100	1000
		2.2	$7.8 \times 13.0 \times 7.8$	B32529D5225+***	1000	800	1000
		3.3	$7.8 \times 13.0 \times 7.8$	B32529D5335+***	1000	800	1000
63	40	0.0010	$2.5 \times 6.5 \times 7.2$	B32529C0102+***	3200	2800	2000
		0.0015	$2.5 \times 6.5 \times 7.2$	B32529C0152+***	3200	2800	2000
		0.0022	$2.5 \times 6.5 \times 7.2$	B32529C0222+***	3200	2800	2000
		0.0033	$2.5 \times 6.5 \times 7.2$	B32529C0332+***	3200	2800	2000
		0.0047	$2.5 \times 6.5 \times 7.2$	B32529C0472+***	3200	2800	2000
		0.0068	$2.5 \times 6.5 \times 7.2$	B32529C0682+***	3200	2800	2000
		0.010	$2.5 \times 6.5 \times 7.2$	B32529C0103+***	3200	2800	2000
		0.015	$2.5 \times 6.5 \times 7.2$	B32529C0153+***	3200	2800	2000
		0.022	$2.5 \times 6.5 \times 7.2$	B32529C0223+***	3200	2800	2000
		0.033	$2.5 \times 6.5 \times 7.2$	B32529C0333+***	3200	2800	2000
		0.047	$2.5 \times 6.5 \times 7.2$	B32529C0473+***	3200	2800	2000
		0.068	$2.5 \times 6.5 \times 7.2$	B32529C0683+***	3200	2800	2000
		0.10	$2.5 \times 6.5 \times 7.2$	B32529C0104+***	3200	2800	2000
		0.15	$2.5 \times 6.5 \times 7.2$	B32529C0154+***	3200	2800	2000
		0.22	$2.5 \times 6.5 \times 7.2$	B32529C0224+***	3200	2800	2000
		0.33	$3.0 \times 6.5 \times 7.2$	B32529C0334+***	2700	2400	2000
		0.47	$3.5 \times 8.0 \times 7.2$	B32529C0474+***	2300	2000	2000
		0.68	$4.5 \times 9.5 \times 7.3$	B32529C0684+***	1800	1500	1500
1.0	$4.5 \times 9.5 \times 7.3$	B32529C0105+***	1800	1500	1500		
1.5	$6.0 \times 10.5 \times 7.5$	B32529C0155+***	1300	1100	1000		
2.2	$7.8 \times 13.0 \times 7.8$	B32529D0225+***	1000	800	1000		

Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:

M = $\pm 20\%$

K = $\pm 10\%$

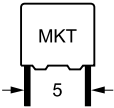
J = $\pm 5\%$

*** = Packaging code:

289 = Ammo pack

189 = Reel

000 = Untaped (lead length 6 – 1 mm)


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./unit	Reel pcs./unit	Untaped pcs./unit
VDC	VAC	μF					
100	63	0.0010	$2.5 \times 6.5 \times 7.2$	B32529C1102+***	3200	2800	2000
		0.0015	$2.5 \times 6.5 \times 7.2$	B32529C1152+***	3200	2800	2000
		0.0022	$2.5 \times 6.5 \times 7.2$	B32529C1222+***	3200	2800	2000
		0.0033	$2.5 \times 6.5 \times 7.2$	B32529C1332+***	3200	2800	2000
		0.0047	$2.5 \times 6.5 \times 7.2$	B32529C1472+***	3200	2800	2000
		0.0068	$2.5 \times 6.5 \times 7.2$	B32529C1682+***	3200	2800	2000
		0.010	$2.5 \times 6.5 \times 7.2$	B32529C1103+***	3200	2800	2000
		0.015	$2.5 \times 6.5 \times 7.2$	B32529C1153+***	3200	2800	2000
		0.022	$2.5 \times 6.5 \times 7.2$	B32529C1223+***	3200	2800	2000
		0.033	$2.5 \times 6.5 \times 7.2$	B32529C1333+***	3200	2800	2000
		0.047	$2.5 \times 6.5 \times 7.2$	B32529C1473+***	3200	2800	2000
		0.068	$2.5 \times 6.5 \times 7.2$	B32529C1683+***	3200	2800	2000
		0.10	$2.5 \times 6.5 \times 7.2$	B32529C1104+***	3200	2800	2000
		0.15	$3.0 \times 6.5 \times 7.2$	B32529C1154+***	2700	2400	2000
		0.22	$3.5 \times 8.0 \times 7.2$	B32529C1224+***	2300	2000	2000
		0.33	$3.5 \times 8.0 \times 7.2$	B32529C1334+***	2300	2000	2000
		0.47	$4.5 \times 9.5 \times 7.3$	B32529C1474+***	1800	1500	1500
0.68	$6.0 \times 10.5 \times 7.5$	B32529C1684+***	1300	1100	1000		
1.0	$7.8 \times 13.0 \times 7.8$	B32529D1105+***	1000	800	1000		

Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:

 M = $\pm 20\%$

 K = $\pm 10\%$

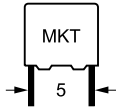
 J = $\pm 5\%$

*** = Packaging code:

289 = Ammo pack

189 = Reel

000 = Untaped (lead length 6 – 1 mm)


Ordering codes and packing units (lead spacing 5 mm)

V_R	V_{rms} $f \leq 60$ Hz VAC	C_R μF	Max. dimensions $w \times h \times l$ mm	Ordering code (composition see below)	Ammo pack pcs./unit	Reel pcs./unit	Untaped pcs./unit
250	160	0.0010	$2.5 \times 6.5 \times 7.2$	B32529C3102+***	3200	2800	2000
		0.0015	$2.5 \times 6.5 \times 7.2$	B32529C3152+***	3200	2800	2000
		0.0022	$2.5 \times 6.5 \times 7.2$	B32529C3222+***	3200	2800	2000
		0.0033	$2.5 \times 6.5 \times 7.2$	B32529C3332+***	3200	2800	2000
		0.0047	$2.5 \times 6.5 \times 7.2$	B32529C3472+***	3200	2800	2000
		0.0068	$2.5 \times 6.5 \times 7.2$	B32529C3682+***	3200	2800	2000
		0.010	$2.5 \times 6.5 \times 7.2$	B32529C3103+***	3200	2800	2000
		0.015	$2.5 \times 6.5 \times 7.2$	B32529C3153+***	3200	2800	2000
		0.022	$2.5 \times 6.5 \times 7.2$	B32529C3223+***	3200	2800	2000
		0.033	$3.0 \times 6.5 \times 7.2$	B32529C3333+***	2700	2400	2000
		0.047	$3.5 \times 8.0 \times 7.2$	B32529C3473+***	2300	2000	2000
		0.068	$4.5 \times 9.5 \times 7.3$	B32529C3683+***	1800	1500	1500
		0.10	$4.5 \times 9.5 \times 7.3$	B32529C3104+***	1800	1500	1500
		0.15	$5.0 \times 10.0 \times 7.5$	B32529C3154+***	1600	1400	1500
		0.22	$7.8 \times 13.0 \times 7.8$	B32529D3224+***	1000	800	1000
		0.33	$7.8 \times 13.0 \times 7.8$	B32529C3334+***	1000	800	1000
0.47	$7.8 \times 13.0 \times 7.8$	B32529C3474+***	1000	800	1000		
400	200	0.0010	$2.5 \times 6.5 \times 7.2$	B32529C6102+***	3200	2800	2000
		0.0015	$2.5 \times 6.5 \times 7.2$	B32529C6152+***	3200	2800	2000
		0.0022	$2.5 \times 6.5 \times 7.2$	B32529C6222+***	3200	2800	2000
		0.0033	$2.5 \times 6.5 \times 7.2$	B32529C6332+***	3200	2800	2000
		0.0047	$2.5 \times 6.5 \times 7.2$	B32529C6472+***	3200	2800	2000
		0.0068	$2.5 \times 6.5 \times 7.2$	B32529C6682+***	3200	2800	2000
		0.010	$3.0 \times 6.5 \times 7.2$	B32529C6103+***	2700	2400	2000
		0.015	$3.5 \times 8.0 \times 7.2$	B32529C6153+***	2300	2000	2000
		0.022	$4.5 \times 9.5 \times 7.3$	B32529C6223+***	1800	1500	1500
		0.033	$5.0 \times 10.0 \times 7.5$	B32529C6333+***	1600	1400	1500
		0.047	$6.0 \times 10.5 \times 7.5$	B32529C6473+***	1300	1100	1000
		0.068	$7.8 \times 13.0 \times 7.8$	B32529D6683+***	1000	800	1000
		0.10	$7.8 \times 13.0 \times 7.8$	B32529D6104+***	1000	800	1000

Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:

M = $\pm 20\%$

K = $\pm 10\%$

J = $\pm 5\%$

*** = Packaging code:

289 = Ammo pack

189 = Reel

000 = Untaped (lead length 6 – 1 mm)