Overview of available types

Lead spacing	7,5 mm	10 mm	15 mm	22,5 mm	27,5 mm
Type	B 32 560	B 32 561	B 32 562	B 32 563	B 32 564
Page	43	45	46	47	48
1,0 nF	630 Vdc				
1,5 nF	630 Vdc				
2,2 nF	630 Vdc				
3,3 nF	630 Vdc				
4,7 nF	630 Vdc				
6,8 nF	630 Vdc				
10 nF	400 Vdc	400 Vdc			
15 nF	400 Vdc	400 Vdc			
22 nF	400 Vdc	400 Vdc			
33 nF	250 Vdc	400 Vdc			
47 nF	250 Vdc	400 Vdc			
68 nF	250 Vdc	400 Vdc			
0,10 µF	100 Vdc	250 Vdc	400 Vdc		
0,15 µF	100 Vdc	250 Vdc	400 Vdc		
0,22 µF	63 Vdc	100 Vdc	250 Vdc	400 Vdc	
0,33 µF	63 Vdc	100 Vdc	250 Vdc	400 Vdc	
0,47 µF	63 Vdc	100 Vdc	250 Vdc	400 Vdc	
0,68 µF	63 Vdc	100 Vdc	250 Vdc	400 Vdc	
1,0 µF	63 Vdc	100 Vdc	100 Vdc	250 Vdc	400 Vdc
1,5 µF	63 Vdc	100 Vdc	100 Vdc	250 Vdc	400 Vdc
2,2 µF	63 Vdc	100 Vdc	100 Vdc	250 Vdc	400 Vdc
3,3 µF	63 Vdc	100 Vdc	100 Vdc	100 Vdc	400 Vdc
4,7 µF	63 Vdc	100 Vdc	100 Vdc	100 Vdc	250 Vdc
5,6 µF[1)]	63 Vdc	100 Vdc	100 Vdc	100 Vdc	250 Vdc
6,8 µF	63 Vdc	100 Vdc	100 Vdc	100 Vdc	250 Vdc
10 µF	63 Vdc	100 Vdc	100 Vdc	100 Vdc	250 Vdc
15 µF	63 Vdc	100 Vdc	100 Vdc	100 Vdc	250 Vdc
22 µF	63 Vdc	100 Vdc	100 Vdc	100 Vdc	250 Vdc
33 µF	63 Vdc	100 Vdc	100 Vdc	100 Vdc	250 Vdc

1) For B 32 564, 420 Vdc only

Ordering codes and packing units, lead spacing 7,5 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)	0,22 µF	2,5 × 5,2 × 9,0	B32560-J224-+	[2]	[2]	2500
	0,33 µF	2,5 × 5,6 × 9,0	B32560-J334-+	[2]	[2]	2500
	0,47 µF	2,6 × 5,8 × 9,0	B32560-J474-+***	3250	2600	2000
	0,68 µF	3,2 × 6,2 × 9,0	B32560-J684-+***	2850	2300	1500
	1,0 µF	4,0 × 6,8 × 9,0	B32560-J105-+***	2200	1800	1000
	1,5 µF	5,1 × 7,6 × 9,0	B32560-J155-+***	1700	1400	500
	2,2 µF	6,5 × 8,2 × 9,0	B32560-J225-+***	1300	1100	500
	3,3 µF	8,5 × 9,1 × 9,0	B32560-J335-+	–	–	350
	4,7 µF	9,8 × 11,0 × 9,0	B32560-J475-+	–	–	250
	6,8 µF	11,5 × 13,3 × 9,0	B32560-J685-+	–	–	150
100 Vdc (63 Vac)	0,10 µF	2,5 × 4,7 × 9,0	B32560-J1104-+	[2]	[2]	3000
	0,15 µF	2,5 × 4,7 × 9,0	B32560-J1154-+	[2]	[2]	3000
	0,22 µF	2,5 × 5,1 × 9,0	B32560-J1224-+***	3400	2700	2000
	0,33 µF	2,7 × 5,7 × 9,0	B32560-J1334-+***	3100	2500	1500
	0,47 µF	3,4 × 6,1 × 9,0	B32560-J1474-+***	2500	2000	1200
	0,68 µF	4,2 × 6,5 × 9,0	B32560-J1684-+***	2000	1600	1000
	1,0 µF	5,5 × 7,0 × 9,0	B32560-J1105-+***	1600	1300	500
	1,5 µF	6,7 × 8,2 × 9,0	B32560-J1155-+	–	–	400
	2,2 µF	8,5 × 9,2 × 9,0	B32560-J1225-+	–	–	300
250 Vdc (160 Vac)	33 nF	2,5 × 4,8 × 9,0	B32560-J3333-+	[2]	[2]	3000
	47 nF	2,5 × 5,2 × 9,0	B32560-J3473-+***	3500	2800	2300
	68 nF	2,6 × 5,7 × 9,0	B32560-J3683-+***	3400	2700	1700
	0,10 µF	3,2 × 6,1 × 9,0	B32560-J3104-+***	2650	2200	1200
	0,15 µF	3,9 × 7,0 × 9,0	B32560-J3154-+***	2150	1800	1000
	0,22 µF	4,9 × 7,5 × 9,0	B32560-J3224-+***	1750	1400	650
	0,33 µF	6,4 × 8,2 × 9,0	B32560-J3334-+	–	–	500

Capacitance tolerance: ±20 % ≙ M, ±10 % ≙ K, ±5 % ≙ J

Special dimensions available upon request.
For corresponding design rules, refer to chapter “General technical information”, page 290.

1) + Code letter for capacitance tolerance
*** Code number for packing: Ammo pack = 289, reel = 189
Lead spacing changed from 7,5 to 5 mm by bending leads: Ammo pack = 259, reel = 159
The ordering code for untaped components ends after the tolerance code letter.
2) Taping upon request

Ordering codes and packing units, lead spacing 7,5 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
400 Vdc	1,0 nF	2,5 × 5,5 × 9,0	B32560-J6102-+	[2]	[2]	2300
(200 Vac)	1,5 nF	2,5 × 5,5 × 9,0	B32560-J6152-+***	3500	2900	2000
	2,2 nF	2,5 × 5,5 × 9,0	B32560-J6222-+***	3700	3000	2100
	3,3 nF	2,5 × 5,5 × 9,0	B32560-J6332-+***	3400	2800	2000
	4,7 nF	2,5 × 5,5 × 9,0	B32560-J6472-+***	3700	3000	2000
	6,8 nF	2,5 × 5,5 × 9,0	B32560-J6682-+***	3700	3000	2000
	10 nF	2,5 × 5,5 × 9,0	B32560-J6103-+***	3500	2800	2200
	15 nF	2,5 × 5,5 × 9,0	B32560-J6153-+***	3500	2800	2500
	22 nF	2,5 × 5,5 × 9,0	B32560-J6223-+***	3400	2700	2300
	33 nF	2,6 × 6,0 × 9,0	B32560-J6333-+***	3400	2700	1600
	47 nF	3,2 × 6,5 × 9,0	B32560-J6473-+***	2650	2200	1200
	68 nF	3,8 × 7,3 × 9,0	B32560-J6683-+***	2250	1900	1000
	0,10 µF	4,9 × 7,7 × 9,0	B32560-J6104-+***	1750	1400	500
	0,15 µF	6,5 × 8,2 × 9,0	B32560-J6154-+	–	–	500
630 Vdc	1,0 nF	2,5 × 5,5 × 9,0	B32560-J8102-+	[2]	[2]	2300
(400 Vac)	1,5 nF	2,5 × 5,5 × 9,0	B32560-J8152-+***	3500	2900	2000
	2,2 nF	2,5 × 5,5 × 9,0	B32560-J8222-+***	3700	3000	2100
	3,3 nF	2,5 × 5,5 × 9,0	B32560-J8332-+***	3400	2800	2000
	4,7 nF	2,5 × 5,5 × 9,0	B32560-J8472-+***	3400	2700	1800
	6,8 nF	3,2 × 6,5 × 9,0	B32560-J8682-+***	2900	2400	1300
	10 nF	3,8 × 7,5 × 9,0	B32560-J8103-+***	2400	2000	1000

Capacitance tolerance: ±20 % ≙ M, ±10 % ≙ K, ±5 % ≙ J

Special dimensions available upon request.
For corresponding design rules, refer to chapter “General technical information”, page 290.

1) + Code letter for capacitance tolerance
*** Code number for packing: Ammo pack = 289, reel = 189
Lead spacing changed from 7,5 to 5 mm by bending leads: Ammo pack = 259, reel = 159
The ordering code for untaped components ends after the tolerance code letter.
2) Taping upon request

Ordering codes and packing units, lead spacing 10 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
100 Vdc (63 Vac)	0,33 µF	2,5 × 5,2 × 11,5	B32561-J1334-+***	1750	2400	1600
	0,47 µF	2,9 × 5,8 × 11,5	B32561-J1474-+***	1560	2300	1200
	0,68 µF	3,6 × 6,3 × 11,5	B32561-J1684-+***	1260	2000	1000
	1,0 µF	4,5 × 6,9 × 11,5	B32561-J1105-+***	1050	1500	500
	1,5 µF	5,6 × 7,8 × 11,5	B32561-J1155-+***	810	1200	500
	2,2 µF	6,9 × 9,0 × 11,5	B32561-J1225-+	–	–	400
250 Vdc (160 Vac)	47 nF	2,5 × 4,4 × 11,5	B32561-J3473-+	2)	2)	2300
	68 nF	2,5 × 4,8 × 11,5	B32561-J3683-+***	1760	2400	1800
	0,10 µF	2,8 × 5,3 × 11,5	B32561-J3104-+***	1600	2300	1300
	0,15 µF	3,3 × 6,0 × 11,5	B32561-J3154-+***	1300	2000	1000
	0,22 µF	4,2 × 6,6 × 11,5	B32561-J3224-+***	1040	1600	700
	0,33 µF	5,2 × 7,5 × 11,5	B32561-J3334-+***	850	1300	500
	0,47 µF	6,3 × 8,5 × 11,5	B32561-J3474-+***	700	1000	400
400 Vdc (200 Vac)	10 nF	2,5 × 5,1 × 11,5	B32561-J6103-+***	1760	2400	1700
	15 nF	2,5 × 5,1 × 11,5	B32561-J6153-+***	1830	2500	2000
	22 nF	2,5 × 5,1 × 11,5	B32561-J6223-+***	1830	2500	2000
	33 nF	2,5 × 5,1 × 11,5	B32561-J6333-+***	1760	2400	1700
	47 nF	2,6 × 6,0 × 11,5	B32561-J6473-+***	1760	2400	1300
	68 nF	3,2 × 6,6 × 11,5	B32561-J6683-+***	1390	2100	1000
	0,10 µF	4,0 × 6,9 × 11,5	B32561-J6104-+***	1090	1700	700
	0,15 µF	5,2 × 7,7 × 11,5	B32561-J6154-+***	850	1300	500
	0,22 µF	6,6 × 8,5 × 11,5	B32561-J6224-+	–	–	300

Capacitance tolerance: ±20 % ≙ M, ±10 % ≙ K, ±5 % ≙ J

Special dimensions available upon request.
For corresponding design rules, refer to chapter “General technical information”, page 290.

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.
2) Taping upon request

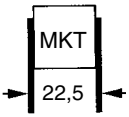
Ordering codes and packing units, lead spacing 15 mm

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
100 Vdc	1,0 µF	3,2 × 6,3 × 16,5	B32562-J1105-+***	1750	2000	1500
(63 Vac)	1,5 µF	4,0 × 7,3 × 16,5	B32562-J1155-+***	1460	1500	1000
	2,2 µF	4,9 × 8,0 × 16,5	B32562-J1225-+***	1190	1300	800
	3,3 µF	6,0 × 9,3 × 16,5	B32562-J1335-+***	960	1000	500
	4,7 µF	7,3 × 10,6 × 16,5	B32562-J1475-+***	790	900	400
	6,8 µF	9,0 × 11,8 × 16,5	B32562-J1685-+***	640	700	290
	10 µF	11,8 × 13,0 × 16,5	B32562-J1106-+	–	–	200
250 Vdc	0,22 µF	3,2 × 5,6 × 16,5	B32562-J3224-+***	1750	2000	1700
(160 Vac)	0,33 µF	4,0 × 6,2 × 16,5	B32562-J3334-+***	1460	1500	1200
	0,47 µF	5,0 × 6,7 × 16,5	B32562-J3474-+***	1190	1300	950
	0,68 µF	6,0 × 7,8 × 16,5	B32562-J3684-+***	960	1000	500
	1,0 µF	7,0 × 9,3 × 16,5	B32562-J3105-+***	830	900	500
	1,5 µF	8,7 × 11,0 × 16,5	B32562-J3155-+***	660	700	300
	2,2 µF	10,7 × 12,8 × 16,5	B32562-J3225-+	–	–	200
	3,3 µF	13,9 × 14,5 × 16,5	B32562-J3335-+	–	–	150
400 Vdc	47 nF	3,3 × 5,6 × 16,5	B32562-J6473-+***	1870	2100	1800
(200 Vac)	68 nF	3,3 × 5,6 × 16,5	B32562-J6683-+***	1800	2000	1800
	0,10 µF	3,3 × 5,6 × 16,5	B32562-J6104-+***	1700	1900	1600
	0,15 µF	3,9 × 6,5 × 16,5	B32562-J6154-+***	1420	1600	1200
	0,22 µF	4,7 × 7,5 × 16,5	B32562-J6224-+***	1240	1300	850
	0,33 µF	6,0 × 8,3 × 16,5	B32562-J6334-+***	960	1000	500
	0,47 µF	7,3 × 9,3 × 16,5	B32562-J6474-+***	790	900	450
	0,68 µF	8,9 × 10,8 × 16,5	B32562-J6684-+***	640	700	300
	1,0 µF	10,9 × 12,5 × 16,5	B32562-J6105-+	–	–	200
630 Vdc	0,10 µF	6,2 × 9,3 × 16,5	B32562-J8104-+	–	–	700
(350 Vac)	0,15 µF	7,6 × 10,8 × 16,5	B32562-J8154-+	–	–	500
	0,22 µF	9,2 × 12,2 × 16,5	B32562-J8224-+	–	–	350
	0,33 µF	11,2 × 14,2 × 16,5	B32562-J8334-+	–	–	250
	0,47 µF	13,5 × 16,3 × 16,5	B32562-J8474-+	–	–	180

Capacitance tolerance: ±20 % ≙ M, ±10 % ≙ K, ±5 % ≙ J

Special dimensions available upon request.
For corresponding design rules, refer to chapter “General technical information”, page 290.

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.



Ordering codes and packing units, lead spacing 22,5 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) Untaped
100 Vdc (63 Vac)	3,3 µF	5,0 × 8,2 × 24,0	B32563-J1335-+	1900
	4,7 µF	5,9 × 9,0 × 24,0	B32563-J1475-+	1600
	6,8 µF	7,0 × 10,5 × 24,0	B32563-J1685-+	920
	10 µF	8,6 × 12,2 × 24,0	B32563-J1106-+	960
	15 µF	10,9 × 14,0 × 24,0	B32563-J1156-+	620
	22 µF	12,8 × 17,2 × 24,0	B32563-J1226-+	360
250 Vdc (160 Vac)	0,68 µF	4,8 × 7,2 × 24,0	B32563-J3684-+	1760
	1,0 µF	5,6 × 8,2 × 24,0	B32563-J3105-+	1140
	1,5 µF	6,9 × 9,5 × 24,0	B32563-J3155-+	920
	2,2 µF	8,3 × 11,2 × 24,0	B32563-J3225-+	740
	3,3 µF	10,1 × 13,5 × 24,0	B32563-J3335-+	700
	4,7 µF	12,2 × 15,5 × 24,0	B32563-J3475-+	390
400 Vdc (200Vac)	0,33 µF	5,1 × 8,0 × 24,0	B32563-J6334-+	1700
	0,47 µF	5,7 × 8,3 × 24,0	B32563-J6474-+	1660
	0,68 µF	6,9 × 9,6 × 24,0	B32563-J6684-+	920
	1,0 µF	8,3 × 11,2 × 24,0	B32563-J6105-+	850
	1,5 µF	10,3 × 13,2 × 24,0	B32563-J6155-+	660
	2,2 µF	12,6 × 15,5 × 24,0	B32563-J6225-+	360

Capacitance tolerance: ±20 % ≙ M, ±10 % ≙ K, ±5 % ≙ J

Special dimensions available upon request.
For corresponding design rules, refer to chapter “General technical information”, page 290.

1) + Code letter for capacitance tolerance

Ordering codes and packing units, lead spacing 27,5 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) Untaped
100 Vdc (63Vac)	4,7 µF	5,6 × 8,3 × 29,0	B32564-J1475-+	1000
	6,8 µF	6,3 × 9,5 × 29,0	B32564-J1685-+	820
	10 µF	7,6 × 11,0 × 29,0	B32564-J1106-+	680
	15 µF	9,1 × 13,5 × 29,0	B32564-J1156-+	430
	22 µF	11,0 × 16,0 × 29,0	B32564-J1226-+	320
	33 µF	13,0 × 19,8 × 29,0	B32564-J1336-+	360
250 Vdc (160 Vac)	1,0 µF	5,1 × 7,6 × 29,0	B32564-J3105-+	1620
	1,5 µF	5,3 × 10,2 × 29,0	B32564-J3155-+	970
	2,2 µF	6,4 × 11,8 × 29,0	B32564-J3225-+	920
	3,3 µF	7,9 × 14,0 × 29,0	B32564-J3335-+	750
	4,7 µF	9,6 × 15,8 × 29,0	B32564-J3475-+	400
	6,8 µF	11,9 × 18,0 × 29,0	B32564-J3685-+	300
	10 µF	13,8 × 22,5 × 29,0	B32564-J3106-+	280
400 Vdc (200 Vac)	1,0 µF	6,8 × 11,2 × 29,0	B32564-J6105-+	750
	1,5 µF	7,8 × 14,2 × 29,0	B32564-J6155-+	750
	2,2 µF	9,6 × 16,4 × 29,0	B32564-J6225-+	400
	3,3 µF	12,2 × 18,8 × 29,0	B32564-J6335-+	330
	4,7 µF	14,2 × 22,8 × 29,0	B32564-J6475-+	260
420 Vdc (200 Vac)	4,7 µF	16,0 × 20,0 × 29,0	B32564-T6475-K	290
	5,6 µF	16,0 × 20,0 × 29,0	B32564-T6565-K	350
	6,8 µF	16,0 × 20,0 × 29,0	B32564-T6685-K	290

Capacitance tolerance: ±20 % ≙ M, ±10 % ≙ K, ±5 % ≙ J

Special dimensions available upon request.
For corresponding design rules, refer to chapter “General technical information”, page 290.

1) + Code letter for capacitance tolerance

Technical data

Climatic category in accordance with IEC 60068-1	55/100/56[1)]		
Lower category temperature T_{min}	– 55 °C		
Upper category temperature T_{max}	+ 100 °C (+ 125 °C for 1000 h and $V_C = 0{,}5 \cdot V_R$)		
Damp heat test	56 days/40 °C/93 % relative humidity		
Limit values after damp heat test[1)]	Capacitance change $\lvert\Delta C/C\rvert$	≤ 5 %	
	Dissipation factor change $\Delta \tan \delta$	≤ $3 \cdot 10^{-3}$ (at 1 kHz)	
		≤ $5 \cdot 10^{-3}$ (at 10 kHz)	
	Insulation resistance R_{is} or time constant $\tau = C_R \cdot R_{is}$	≥ 50 % of minimum as-delivered values	
Reliability:			
Reference conditions	$0{,}5 \cdot V_R$; 40 °C		
Failure rate	$2 \cdot 10^{-9}$/h = 2 fit		
	For a conversion table for other operating conditions and temperatures, refer to chapter “Quality assurance”, page 327.		
Service life	200 000 h		
Failure criteria:			
Total failure	Short circuit or open circuit		
Failure due to variation of parameters	Capacitance change $\lvert\Delta C/C\rvert$	> 10 %	
	Dissipation factor tan δ	> 2 · upper limit value	
	Insulation resistance R_{is}	< 150 MΩ ($C_R \le 0{,}33$ µF)	
	or time constant $\tau = C_R \cdot R_{is}$	< 50 s ($C_R > 0{,}33$ µF)	
DC test voltage	$1{,}4 \cdot V_R$, 2 s		
Category voltage V_C Operation with dc voltage or ac voltage V_{rms} up to 60 Hz	$T \le$ 85 °C	$V_C = 1{,}0 \cdot V_R$	$V_{C,rms} = 1{,}0 \cdot V_{rms}$
	$T \le$ 100 °C	$V_C = 0{,}8 \cdot V_R$	$V_{C,rms} = 0{,}8 \cdot V_{rms}$
Operating voltage for short operating periods	$T \le$ 85 °C	$V = 1{,}25 \cdot V_C$, max. 2000 h	$V = 1{,}0 \cdot V_{C,rms}$, max. 2000 h
	$T \le$ 100 °C	$V = 1{,}25 \cdot V_C$, max. 2000 h	$V = 1{,}0 \cdot V_{C,rms}$, max. 2000 h
	$T \le$ 125 °C	$V = 0{,}5 \cdot V_R$, max. 1000 h	$V = 0{,}5 \cdot V_{rms}$, max. 1000 h

Dissipation factor tan δ (in 10^{-3}) at 20 °C (upper limit values)

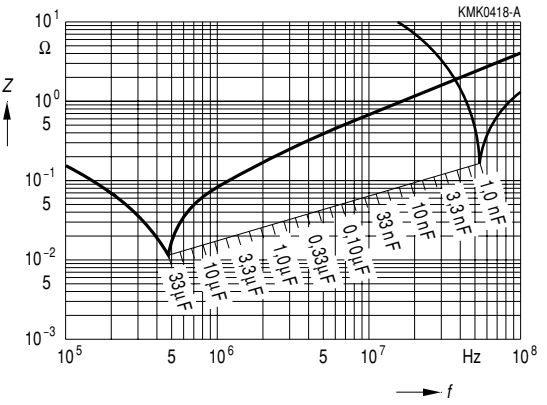
	$C_R \le 0{,}1$ µF	0,1 µF < $C_R \le 1$ µF	$C_R > 1$ µF
at 1 kHz	8	8	10
10 kHz	15	15	–
100 kHz	30	–	–

Insulation resistance R_{is} or time constant $\tau = C_R \cdot R_{is}$ at 20 °C, rel. humidity ≤ 65 % (minimum as-delivered values)

V_R	$C_R \le 0{,}33$ µF	$C_R > 0{,}33$ µF
≤ 100 Vdc	3750 MΩ	1250 s
≥ 250 Vdc	7500 MΩ	2500 s

1) Test criteria must be met after exposure to damp heat for 21 days.

Impedance Z versus frequency f (typical values)



Pulse handling capability

Maximum permissible voltage change per unit of time for non-sinusoidal voltages (pulse, sawtooth).

V_R	Max. rate of voltage rise V_{pp}/τ in V/µs (for $V_{pp} = V_R$)				
	Lead spacing				
	7,5 mm	10 mm	15 mm	22,5 mm	27,5 mm
63 Vdc	120	–	–	–	–
100 Vdc	150	75	50	50	25
250 Vdc	200	150	100	100	50
400 Vdc	275	175	125	125	60
420 Vdc	–	–	–	–	60
630 Vdc	320	–	150	–	–

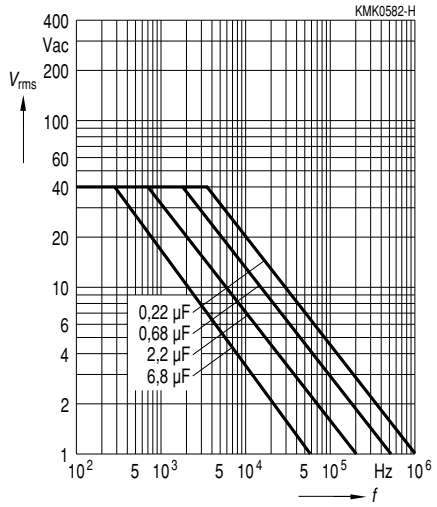
For $V_{pp} < V_R$, the permissible voltage rise rate value V_{pp}/τ may be multiplied by the factor V_R/V_{pp}. Also refer to the calculation example in chapter “General technical information”, page 302.

V_R	Pulse characteristic k_0 in V²/µs (for $V_{pp} \leq V_R$)				
	Lead spacing				
	7,5 mm	10 mm	15 mm	22,5 mm	27,5 mm
63 Vdc	15 000	–	–	–	–
100 Vdc	30 000	15 000	10 000	10 000	5 000
250 Vdc	100 000	75 000	50 000	50 000	25 000
400 Vdc	220 000	140 000	100 000	100 000	50 000
420 Vdc	–	–	–	–	50 000
630 Vdc	400 000	–	190 000	–	–

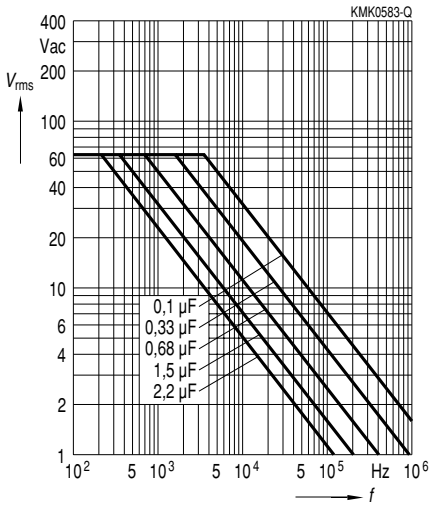
Permissible ac voltage V_{rms} versus frequency f

Lead spacing 7,5 mm

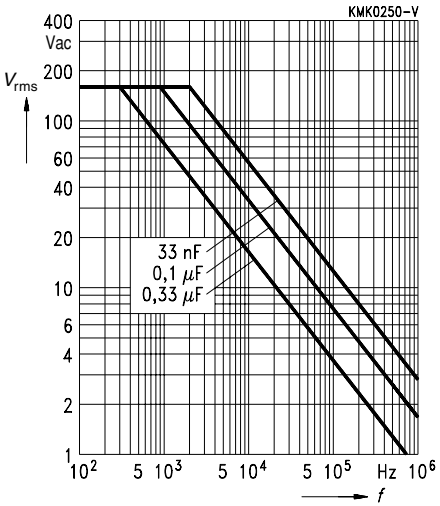
63 Vdc/ 40 Vac



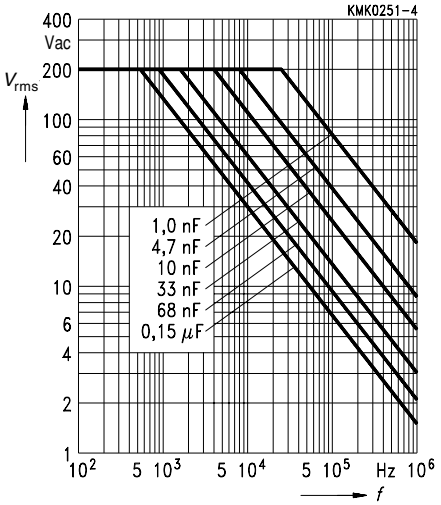
100 Vdc/ 63 Vac



250Vdc/ 160Vac

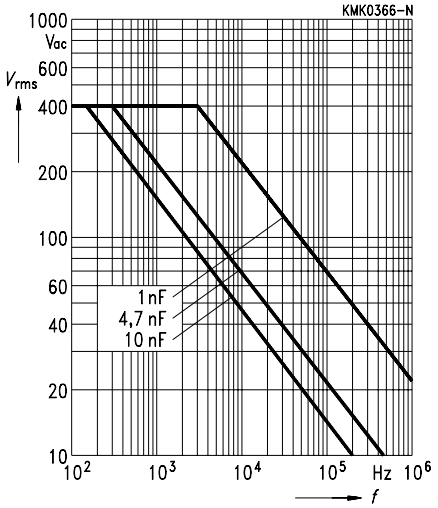


400 Vdc/ 200 Vac



Permissible ac voltage V_{rms} versus frequency f
Lead spacing 7,5 mm

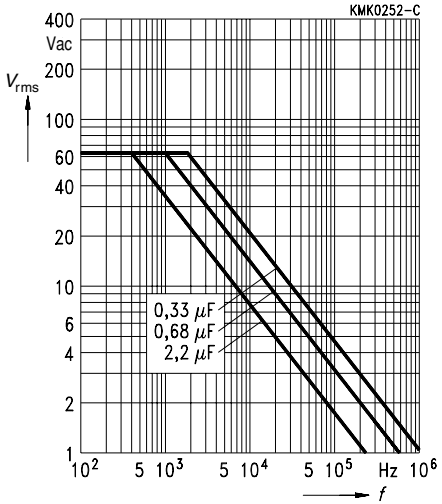
630 Vdc/ 400 Vac



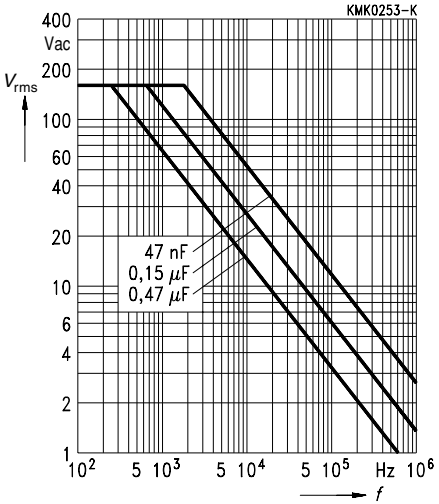
Permissible ac voltage V_{rms} versus frequency f

Lead spacing 10 mm

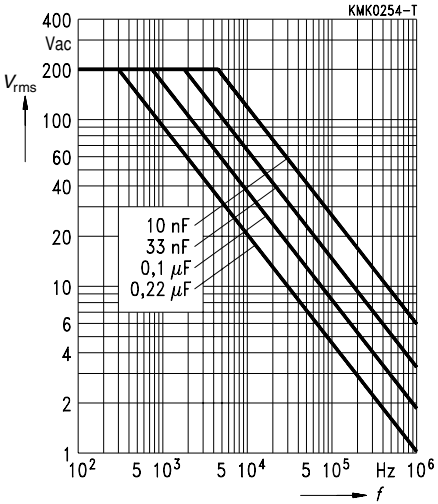
100 Vdc/ 63 Vac



250 Vdc/ 160 Vac



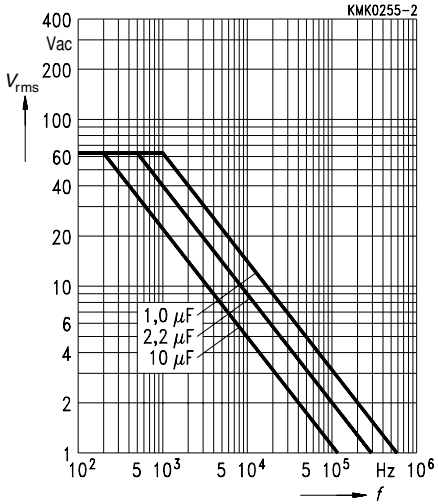
400 Vdc/ 200 Vac



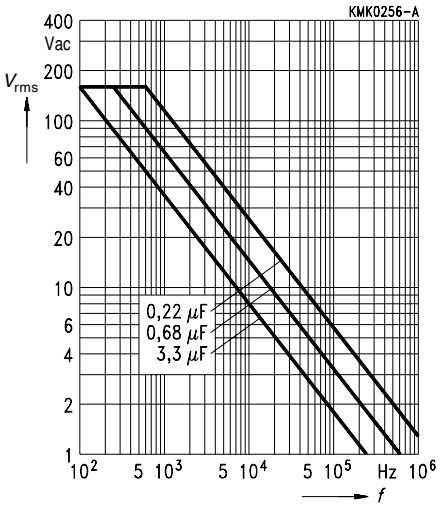
Permissible ac voltage V_{rms} versus frequency f

Lead spacing 15 mm

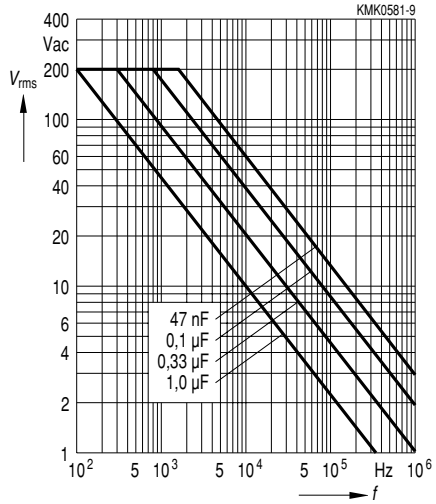
100 Vdc/63 Vac



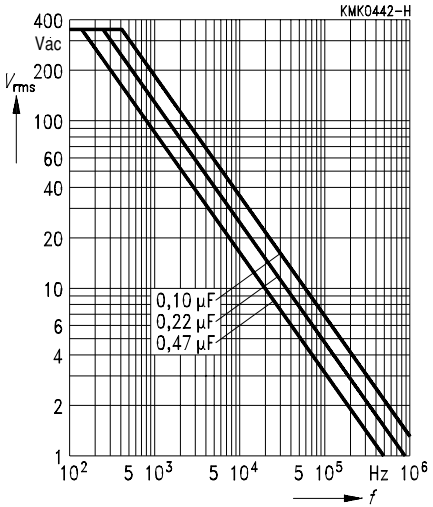
250 Vdc/ 160 Vac



400 Vdc/200 Vac



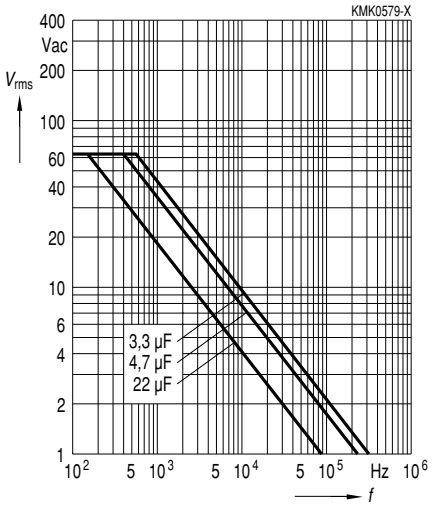
630 Vdc/350 Vac



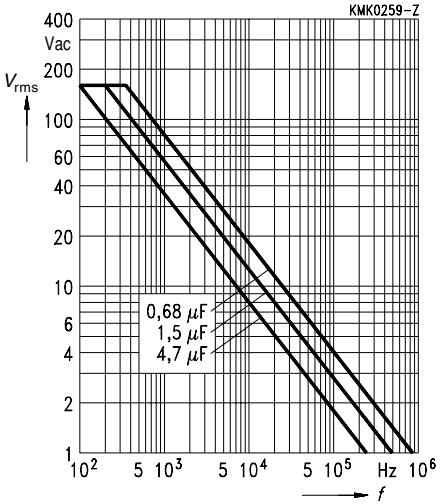
Permissible ac voltage V_{rms} versus frequency *f*

Lead spacing 22,5 mm

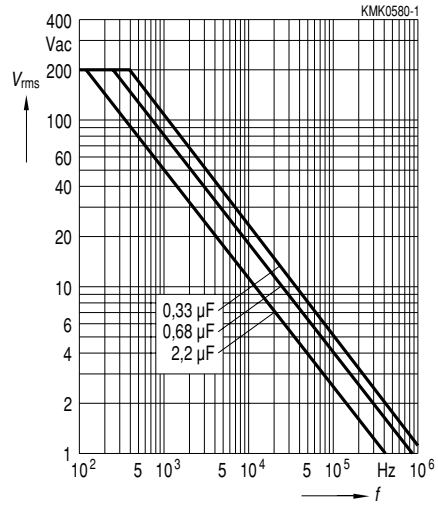
100 Vdc/ 63 Vac



250 Vdc/ 160 Vac



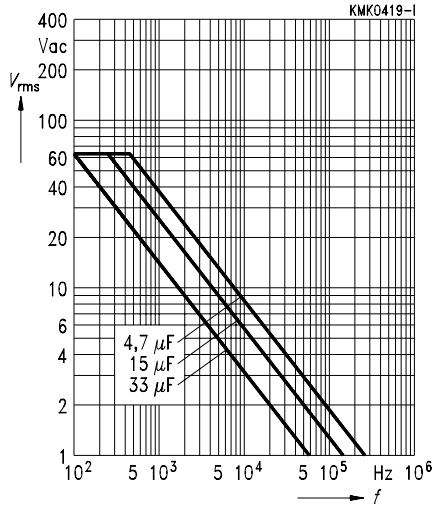
400 Vdc/ 200 Vac



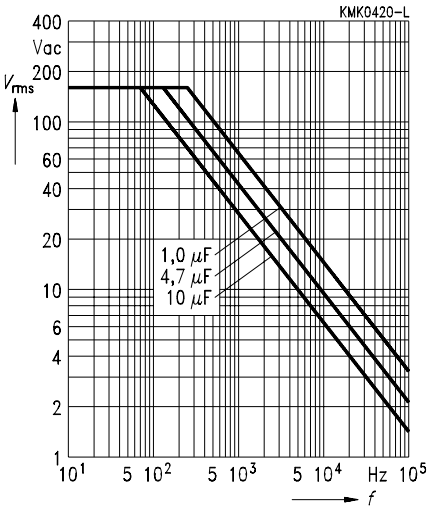
Permissible ac voltage V_{rms} versus frequency f

Lead spacing 27,5 mm

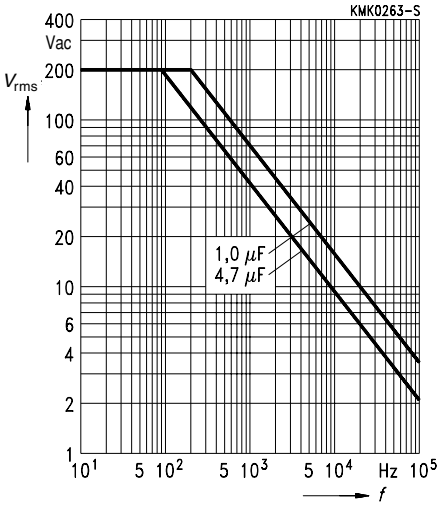
100 Vdc/ 63 Vac



250 Vdc/ 160 Vac



400 Vdc/ 200 Vac



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