



## Film Capacitors

### Metallized Polypropylene Film Capacitors (MKP)

**Series/Type:** B32651 ... B32656

**Date:** October 2011

**High pulse (wound)**
**Typical applications**

- Electronic ballasts
- Switch-mode power supplies

**Climatic**

- Max. operating temperature: 110 °C
- Climatic category (IEC 60068-1): 55/100/56

**Construction**

- Dielectric: polypropylene (PP)
- Wound capacitor technology with internal series connection for  $V_R \geq 1250$  V DC
- Plastic case (UL 94 V-0)
- Epoxy resin sealing

**Features**

- High pulse strength
- High contact reliability

**Terminals**

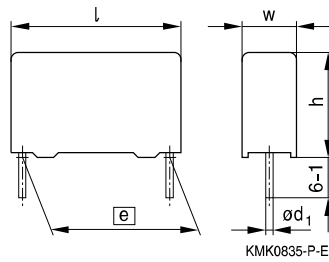
- Parallel wire leads, lead-free tinned
- Special lead lengths available on request

**Marking**

Manufacturer's logo,  
 lot number ( $\square e \leq 27.5$  mm), series number  
 (e.g. 651),  
 rated capacitance (coded), cap. tolerance (code letter),  
 rated DC voltage  
 (AC voltage for 1600 V DC/700 V AC and  
 2000 V DC/1000 V AC),  
 date of manufacture (coded)

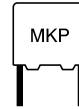
**Delivery mode**

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

**Dimensional drawing**


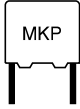
Dimensions in mm

Lead spacing	Lead diameter	Type
$\square e \pm 0.4$	$d_1$	
10	0.6	B32651
15	0.8	B32652
22.5	0.8	B32653
27.5	0.8	B32654
37.5	1.0	B32656



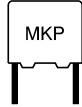
**Overview of available types**

Lead spacing	10 mm
Type	B32651
Page	8
$V_R$ (V DC)	1250
$V_{RMS}$ (V AC)	450
$C_R$ (nF)	
2.2	
3.3	
4.7	
6.8	



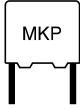
Overview of available types

Lead spacing	15 mm							
Type	B32652							
Page	9							
$V_R$ (V DC)	250	400	630	1000	1250	1600	1600	2000
$V_{RMS}$ (V AC)	160	200	250	250	500	500	700	700
$C_R$ (nF)								
1.0								
1.5								
2.2								
3.3								
4.7								
5.6								
6.8								
10								
12								
15								
22								
33								
47								
56								
68								
100								
120								
150								
220								
330								
390								
470								
560								
680								
820								
1000								



**Overview of available types**

Lead spacing	22.5 mm							
Type	B32653							
Page	12							
$V_R$ (V DC)	250	400	630	1000	1250	1600	2000	2000
$V_{RMS}$ (V AC)	160	200	250	250	500	500	700	1000
$C_R$ (nF)								
2.2								
3.3								
4.7								
6.8								
10								
12								
15								
22								
33								
47								
56								
68								
82								
100								
120								
150								
220								
330								
470								
560								
680								
1000								
1200								
1500								
2200								
3300								

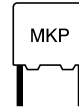


B32651 ... B32656

High pulse (wound)

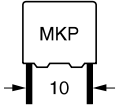
**Overview of available types**

Lead spacing	27.5 mm						
Type	B32654						
Page	15						
$V_R$ (V DC)	250	400	630	1000	1250	1600	2000
$V_{RMS}$ (V AC)	160	200	250	250	500	500	700
$C_R$ (nF)							
22							
33							
47							
68							
82							
100							
150							
220							
330							
470							
560							
680							
820							
1000							
1200							
1500							
2200							
2700							
3300							
4700							
5600							
6800							
8200							



**Overview of available types**

Lead spacing	37.5 mm				
Type	B32656				
Page	17				
$V_R$ (V DC)	850	1000	1250	1600	2000
$V_{RMS}$ (V AC)	450	500	500	600	700
$C_R$ (nF)					
100					
120					
150					
220					
270					
330					
390					
470					
560					
680					
820					
1000					
1200					
1500					
2200					



**B32651**  
**High pulse (wound)**

**Ordering codes and packing units (lead spacing 10 mm)**

$V_R$	$V_{RMS}$ $f \leq 1$ kHz	$C_R$	Max. dimensions $w \times h \times l$	Ordering code (composition see below)	Ammo pack pcs./MOQ	Reel pcs./MOQ	Untaped pcs./MOQ
V DC <sup>1)</sup>	V AC	nF	mm				
1250	450	2.2	4.0 × 9.0 × 13.0	B32651A7222+***	4000	6800	4000
		3.3	5.0 × 11.0 × 13.0	B32651A7332+***	3320	5200	4000
		4.7	5.0 × 11.0 × 13.0	B32651A7472+***	3320	5200	4000
		6.8	6.0 × 12.0 × 13.0	B32651A7682+***	2720	4400	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:  
 K = ±10%  
 J = ±5%

\*\*\* = Packaging code:  
 289 = Ammo pack  
 189 = Reel  
 000 = Untaped (lead length 6 – 1 mm)

1) For pulse loads (pulse width ≤ 1000 µs), a peak voltage of 1400 V<sub>p</sub> can be permitted.