



## **Film Capacitors**

Questionnaire for new developments

Date: May 2009

© EPCOS AG 2009. Reproduction, publication and dissemination of this publication, enclosures hereto and the information contained therein without EPCOS' prior express consent is prohibited.

**Questionnaire for new developments**

If you require a special type not included in this data book, please fill the following questionnaire.

**Dielectric material**     PET (Polyester – MKT)  
 PP (Polypropylene – MKP)  
 PP (Polypropylene – MFP)  
 PEN (Polyethylene naphthalate – MKN)

**C value**     \_\_\_\_\_  $\mu\text{F}$     **Voltage DC**    **AC**

**Tolerance**      $\pm 20\%$      50 V     20 V  
  $\pm 10\%$      63 V     35 V  
  $\pm 5\%$      100 V     40 V  
  $\pm 3.5\%$      160 V     60 V  
  $\pm 2.5\%$      250 V     63 V  
 others \_\_\_\_\_ %     400 V     90 V  
 \_\_\_\_\_ %     630 V     160 V  
 \_\_\_\_\_ %     850 V     200 V  
 \_\_\_\_\_ %     1000 V     250 V  
 \_\_\_\_\_ %     1250 V     300 V  
 \_\_\_\_\_ %     1600 V     400 V  
 \_\_\_\_\_ %     2000 V     450 V  
 \_\_\_\_\_ %     2500 V     500 V  
 \_\_\_\_\_ %     3000 V     700 V  
 \_\_\_\_\_ %     750 V  
 \_\_\_\_\_ %     800 V  
 \_\_\_\_\_ %     1000 V

**Current  $I_{\text{RMS}}$**      \_\_\_\_\_ A

**Frequency**     \_\_\_\_\_ kHz

**Temperature**     range \_\_\_\_\_ to \_\_\_\_\_  $^{\circ}\text{C}$   
 ambient \_\_\_\_\_  $^{\circ}\text{C}$   
 self heating \_\_\_\_\_  $^{\circ}\text{C}$

**dV/dt (max.)**     \_\_\_\_\_ V/ $\mu\text{s}$  at \_\_\_\_\_ kHz

**$k_0$**      \_\_\_\_\_ V $^2/\mu\text{s}$

**Load diagram**     V/I curves, worst case

## Questionnaire for new developments

- Technology**
- stacked
  - wound
- Design**
- boxed
  - coated
  - uncoated
- Max. dimensions**
- radial (w x h x l) \_\_\_\_\_ mm
  - axial, cyl. (d x l) \_\_\_\_\_ mm
  - axial, flat (w x h x l) \_\_\_\_\_ mm
  - lead diameter \_\_\_\_\_ mm
  - special
- 

- Lead spacing (mm)**
- 5
  - 7.5
  - 10
  - 15
  - 22.5
  - 27.5
  - 37.5
  - others \_\_\_\_\_

- Terminal configuration**
- 2 pin
  - 4 pin
  - flat terminal
  - multipin
  - straight
  - crimped
  - reduced lead spacing
  - enlarged lead spacing
  - others \_\_\_\_\_
-