

## Capacitor questionnaire

If the capacitor you need for a particular application is not contained in this data book, we will gladly help you to devise a solution. For this we require as precise a specification as possible. The necessary parameters are listed in the following questionnaire.

Fill in the questionnaire and send it to the nearest office of Siemens Passive Components and Electron Tubes Group (addresses at rear).

**Application / project / circuit** \_\_\_\_\_

### Ratings

Capacitance  $C_R$ /tolerance \_\_\_\_\_ F + \_\_\_\_\_ - \_\_\_\_\_ %  
 Voltage  $U_R$  \_\_\_\_\_ DC/AC \_\_\_\_\_ V  
 Superimposed AC voltage  $\hat{u}_{ac}$  \_\_\_\_\_ V  
 Inductance  $L$  \_\_\_\_\_ nH

### Maximum ratings

Recurrent peak voltage  $\hat{u}$  \_\_\_\_\_ V  
 Non-recurrent surge voltage  $u_s$  \_\_\_\_\_ V  
 Duration / recurrence \_\_\_\_\_  $\mu$ s/pulse \_\_\_\_\_ times/year  
 Rate of voltage rise, repetitive  $(du/dt)_{max}$  \_\_\_\_\_ V/ $\mu$ s

### Test data

Test voltage  $U_{TT}$  \_\_\_\_\_ as per IEC 1071 ☐ or \_\_\_\_\_ V  
 Test voltage  $U_{TC}$  \_\_\_\_\_ as per IEC 1071 ☐ or \_\_\_\_\_ V

### Operating data

Repetition frequency  $f_0$  \_\_\_\_\_ Hz  
 Charge-reversal time  $t_{cr}$  \_\_\_\_\_  $\mu$ s  
 RMS current  $I_{rms}$  \_\_\_\_\_ A  
 Ambient temperature  $T_A$  \_\_\_\_\_  $T_{Amax}$  \_\_\_\_\_ °C  $T_{Amin}$  \_\_\_\_\_ °C

## Capacitor questionnaire

Natural convection ☐

Forced cooling at \_\_\_\_\_ m/s

Continuous operation ☐

Intermittent operation

$t_{on}$  \_\_\_\_\_ s  $t_{off}$  \_\_\_\_\_ s

Load duration  $t_{LD}$

\_\_\_\_\_ h

### Construction data

Mounting position

upright ☐

flat ☐

overhead ☐

Creepage distance

\_\_\_\_\_ mm

Clearance

\_\_\_\_\_ mm

Terminal elements \_\_\_\_\_

### Miscellaneous

Quantity

\_\_\_\_\_ pcs./year

Start of delivery

from \_\_\_\_\_

