

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 _____ μ s/pulse _____ times/year
 Rate of voltage rise, repetitive $(du/dt)_{max}$ _____ V/ μ 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} _____ μ 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 _____

