

Symbol and Terms

Symbol	Corresponding term
C	Capacitance
C_R	Rated capacitance
ΔC_R	Capacitance tolerance
$\Delta C/C$	Variation of capacitance
C_S	Series capacitance
$C_{S.T}$	Series capacitance at temperature J
C_f	Capacitance at frequency f
d	Case diameter, nominal dimension
d_{max}	Maximum case diameter
f	Frequency
I	Current
I_{ac}	Alternating current
I_{acrms}	Alternating current, root-mean-square
I_{acf}	Ripple current at frequency f
I_{acmax}	Maximum permissible ripple current
I_{acR}	Rated ripple current
$I_{acR.UCT}$	Rated ripple current at upper category temperature
I_{acUCT}	Ripple current at upper category temperature
I_{IK}	Leakage current
I_{Ika}	Leakage current for acceptance test
I_{Ikop}	Operating leakage current
ESL	Capacitor self-inductance
l	Case length, nominal dimension
l_{max}	Maximum case length (without terminals and mounting stud)

Symbol	Corresponding term
R	Resistance
ESR	Equivalent series resistance
ESR _f	Equivalent series resistance at frequency f
ESR _T	Equivalent series resistance at temperature J
R _{ins}	Insulation resistance
R _{symm}	Balancing resistance
J	Temperature
$\cap J$	Temperature difference
J_A	Ambient temperature
τ	Time
$\cap \tau$	Period
τ_b	Service life
V	Voltage
V _{op}	Operating voltage
V _F	Forming voltage
V _C	Category voltage
V _R	Rated voltage, dc voltage
V _S	Surge voltage
Z	Impedance
Z _{τ}	Impedance at temperature J
λ	Failure rate (1 fit = 1.10 λ -9 / h)
ϵ_r	Relative dielectric constant
ϵ_o	Absolute permittivity
ω	Angular frequency ; $2\pi.f$
$\tan\delta$	Dissipation factor

The commas used in numerical values denote decimal points.
All dimensions are given in mm.