



Ceramic transient voltage suppressors

Symbols and terms

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Symbols and terms

Symbol	Term
$C_{line,typ}$	Typical capacitance per line
C_{max}	Maximum capacitance
C_{min}	Minimum capacitance
C_{nom}	Nominal capacitance
ΔC_{nom}	Tolerance of nominal capacitance
C_{typ}	Typical capacitance
$f_{cut-off,min}$	Minimum cut-off frequency
I	Current
I_{clamp}	Clamping current
I_{leak}	Leakage current
$I_{leak,typ}$	Typical leakage current
I_{PP}	Peak pulse current
$I_{surge,max}$	Maximum surge current (also termed peak current)
LCT	Lower category temperature
L_{typ}	Typical inductance
$P_{diss,max}$	Maximum power dissipation
P_{PP}	Peak pulse power
R_{ins}	Insulation resistance
R_{min}	Minimum resistance
R_S	Resistance per line
T_A	Ambient temperature
T_{op}	Operating temperature
T_{stg}	Storage temperature
t_r	Duration of equivalent rectangular wave
t_{resp}	Response time
UCT	Upper category temperature
V	Voltage
$V_{BR,min}$	Minimum breakdown voltage
$V_{clamp,max}$	Maximum clamping voltage
$V_{DC,max}$	Maximum DC operating voltage (also termed working voltage)
$V_{ESD,air}$	Air discharge ESD capability
$V_{ESD,contact}$	Contact discharge ESD capability
V_{jump}	Maximum jump start voltage
$V_{RMS,max}$	Maximum AC operating voltage, root-mean-square value

Symbols and terms

V_V	Varistor voltage (also termed breakdown voltage)
$V_{V,\min}$	Minimum varistor voltage
$V_{V,\max}$	Maximum varistor voltage
ΔV_V	Tolerance of varistor voltage
W_{LD}	Maximum load dump
W_{\max}	Maximum energy absorption (also termed transient energy)
α_{typ}	Typical insertion loss
e	Lead spacing
$\ll * \gg$	Maximum possible application conditions

All dimensions are given in mm.

The commas used in numerical values denote decimal points.