

Applications

- Degaussing of picture tubes

Features

- Marked with manufacturer's logo and type designation
- Low residual current
- Stable performance throughout a large number of switching cycles
- CECC 60738-1-3-004 approval

Options

- C 1450 and C 1250 also available on tape

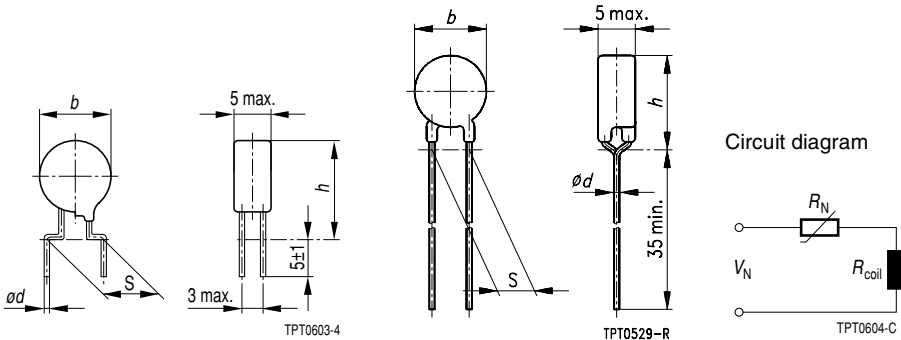
Delivery mode

- Bulk for type: C 1203, C 1205 and C 1209
- Cardboard strips for type: C 1450 and C 1250

Dimensional drawings

Type: C 1203, C1205, C 1209

Type: C 1450, C 1250



Dimensions (mm)

Type	b_{max}	S	$\varnothing d$	h_{max}
C 1203	13,5	10,0	0,6	20,5
C 1205	13,5	7,5	0,6	20,5
C 1209	13,5	10,0	0,6	20,5

Type	b_{max}	S	$\varnothing d$	h_{max}
C 1250	13,5	5,0	0,6	17,0
C 1450	15,0	5,0	0,6	19,0

General technical data

Operating temperature range ($V = 0$)	T_{op}	- 25/+ 125	°C
	($V = V_N$) T_{op}	0/+ 60	°C

Electrical specifications and ordering codes

Type	$I_{in,coil}$ (0 s) A_{pp}	$I_{r,coil}$ (180 s) ($V = V_N$, $25\text{ °C} \leq T_{op} \leq 60\text{ °C}$) mA_{pp}	R_N Ω	R_{coil} Ω	Ordering code
$V_{max} = 140\text{ VAC}$, $V_N = 110\text{ VAC}$					
C 1203	≥ 30	$\leq 50^1$	3	≥ 5	B59203C1060A140
C 1205	≥ 30	$\leq 45^1$	5	$\geq 4,5$	B59205C1060A240
$V_{max} = 270\text{ VAC}$, $V_N = 230\text{ VAC}$					
C 1209	≥ 20	≤ 25	9	≥ 20	B59209C1060A140
C 1450	≥ 20	≤ 30	18	≥ 12	B59450C1080B070
C 1250	≥ 11	≤ 25	25	≥ 25	B59250C1080B070

Reliability data

Test	Standard	Test conditions	$ \Delta R_{25}/R_{25} $
Switching test at room temperature	IEC 60738-1	V_{max} ; R_S Room temperature Number of cycles: 10000	< 20%
Life test at V_{max}/T_{op}	IEC 60738-1	Storage at V_{max}/T_{op} for t : 1000 h	< 20%
Damp heat	IEC 60068-2-3	Storage at 40 °C Relative humidity: 93% Duration: 56 days	< 20%
Rapid change of temperature in air	IEC 60068-2-14, Test N_a	$T = T_{LCT}$, $T = T_{UCT}$ Number of cycles: 5 t : 30 min	< 20%
Vibration	IEC 60068-2-6, Test F_C	$f = 10\text{--}55\text{--}10\text{ Hz}$ $h = 0,75\text{ mm}$ (respectively 10 g) t : 3 · 2 h	< 20%
Bump	IEC 60068-2-27	Pulse shape: half-sine a : = 40 g Pulse duration: 6 ms; 6 · 4000 pulses	< 20%
Climatic sequence	IEC 60068-2-30	Dry heat: $T = T_{UCT}$, t : 16 h Damp heat first cycle Cold: $T = T_{LCT}$, t : 2 h Damp heat 5 cycles	< 20%

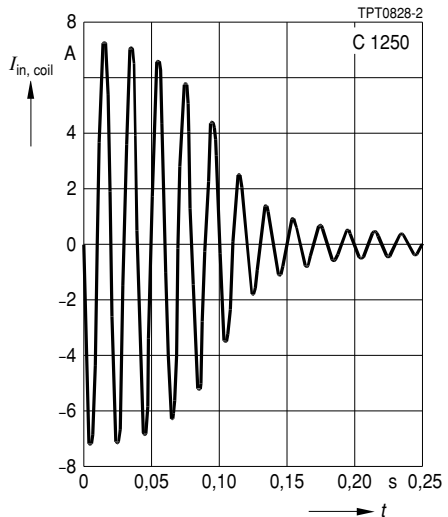
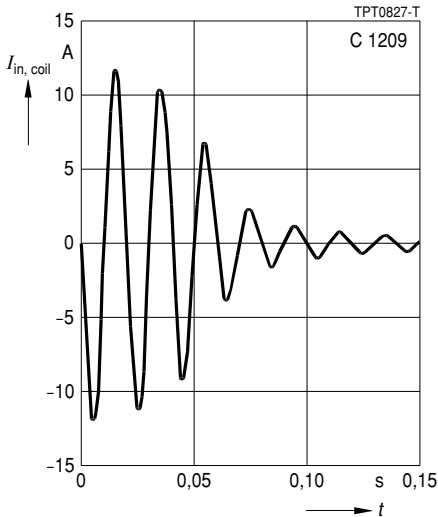
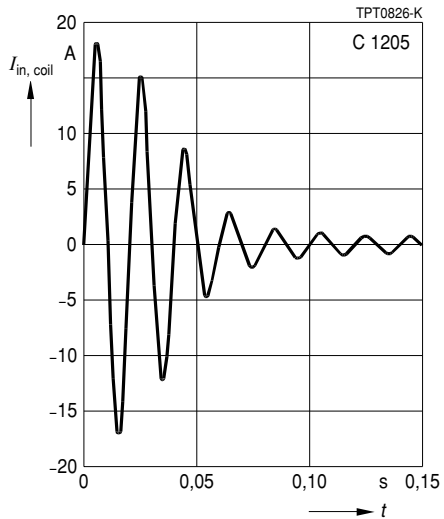
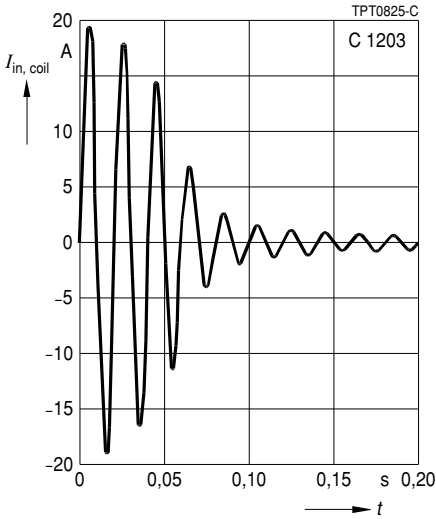
 1) For C 1203 and C 1205 $I_{r,coil}$ (60 s)

Characteristics

Typical curve of demagnetization current $I_{in,coil}$ measured at V_N

Coil resistance: 5 Ω (C 1203), 4,5 Ω (C 1205), 20 Ω (C 1209), 25 Ω (C 1250)

Ambient temperature: 25 °C

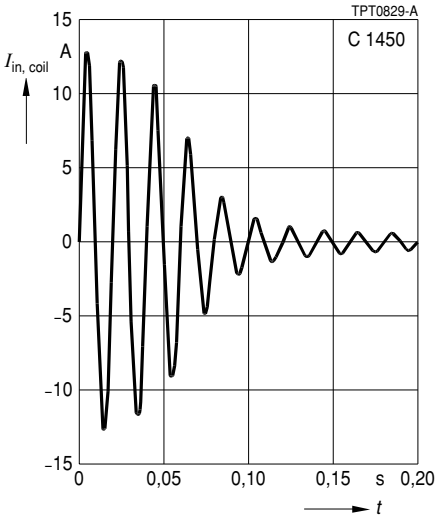


Characteristics

Typical curve of demagnetization current $I_{in,coil}$ measured at V_N

Coil resistance: 12 Ω (C 1450)

Ambient temperature: 25 °C



Herausgegeben von EPCOS AG

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