

Carbon Film Resistors, Fusible Type



FEATURES

- Fusible resistor for constant voltage
- Specially spiralled to provide the fusible function
- Lead (Pb)-free solder contacts
- Pure tin plating provides compatibility with lead (Pb)-free and lead containing soldering processes
- Compatible with "Restriction of the use of Hazardous Substances" (RoHS) directive 2002/95/EC (issue 2004)
- Flame-proof protection



STANDARD ELECTRICAL SPECIFICATIONS

MODEL	POWER RATING $P_{70\text{ }^{\circ}\text{C}}$ W	TEMPERATURE COEFFICIENT ppm/K	TOLERANCE %	RESISTANCE RANGE Ω	E-SERIES
LCA0207SI	0.25	+ 300/- 200	± 5	R22 - 1K0	24
LCA0411SI	0.35	+ 300/- 200	± 5	R22 - 1K0	24

Notes:

- Coating: Beige
- Marking: Additional 5th band yellow, see appropriate catalog or web page
- $R_i \geq 6\ \Omega$ for $R_N < 10R$
- $R_i \geq 1\ \Omega$ for $R_N \geq 10R$

TECHNICAL SPECIFICATIONS

PARAMETER	UNIT	LCA0207SI	LCA0411SI
Power Rating at 70 °C	W	0.25	0.35
Overload to Fuse	W	4 ⁽¹⁾	7.0
Time to Fuse (Maximum)	s	15	25
Thermal Resistance	K/W	≤ 220	≤ 150
Terminal Strength, Axial	N	≥ 50	≥ 60
Failure Rate	$10^{-9}/h$	< 30	< 30
Category Temperature Range	°C	- 55 to + 125	- 55 to + 125
Weight	g	0.21	0.5
Maximum Applicable Voltage After Fusing	V	20 65 110 150	30 85 140 200

Note:

⁽¹⁾ Overload to fuse $< 1\ \Omega\ 5\ W$

PART NUMBER AND PRODUCT DESCRIPTION

PART NUMBER: LCA0411B03609J2100

L	C	A	0	4	1	1	B	0	3	6	0	9	J	2	1	0	0
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MODEL/SIZE	SPECIAL CHARACTER	TCR	VALUE	TOLERANCE	PACKAGING ⁽²⁾	SPECIAL
LCA0207 LCA0411	B = SI Fusible	0 = Neutral See diagram	3 digit value 1 digit multiplier MULTIPLIER 7 = $\times 10^{-3}$ 8 = $\times 10^{-2}$ 9 = $\times 10^{-1}$ 0 = $\times 10^0$ 1 = $\times 10^1$	J = $\pm 5\ %$	D5 = R5 DE = RE 21 = A1(G53) 41 = A1(G73) 12 = A2(G26) 22 = A2(G53) 25 = A5	Up to 2 digits 00 = Standard

PRODUCT DESCRIPTION: LCA0411SI 36R 5 % A1

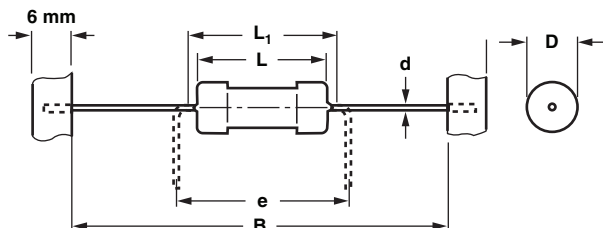
LCA0411SI	36R	5 %	A1
MODEL	RESISTANCE VALUE	TOLERANCE	PACKAGING ⁽²⁾
LCA0207SI LCA0411SI	1K0 = 1 k Ω 10R = 10 Ω	$\pm 5\ %$	R5 RE A1 (G53) A1 (G73) A2 (G26) A2 (G53) A5

Notes:

⁽²⁾ Please refer to table PACKAGING, see next page

- The PART NUMBER shown above is to facilitate the unified part numbering system for ordering products

DIMENSIONS



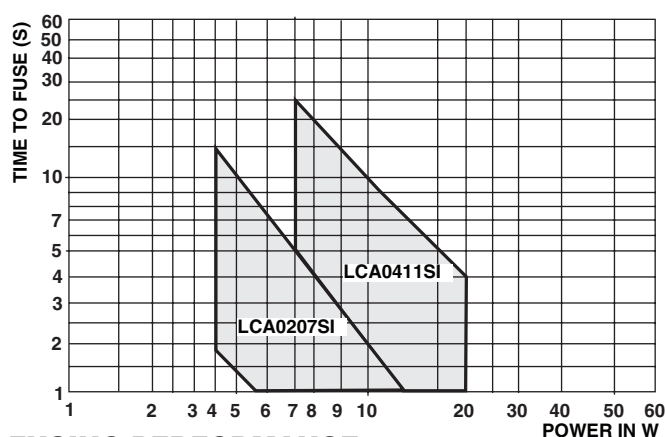
Notes:

- Taping in acc. with IEC60286-1
- D and L measured in accordance with IEC60294
- d according to IEC60301

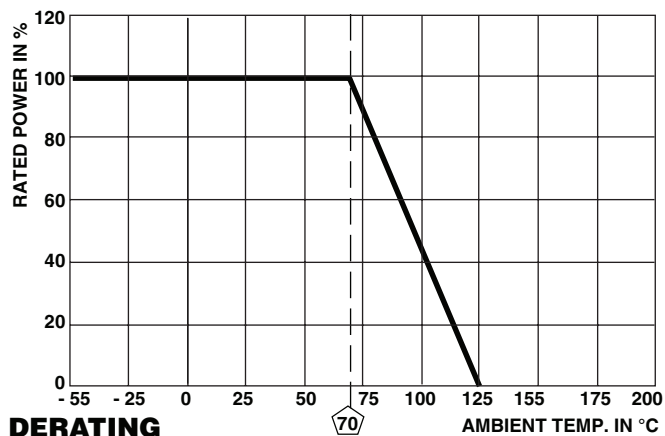
MODEL	DIMENSIONS [in millimeters]					
	D	L	L ₁ max.	B	d	e
LCA0207SI	2.3 - 0.3	6.1 - 0.5	8.1	53 ± 1 ⁽¹⁾	0.6	7.5
LCA0411SI	3.5 - 0.3	10.5 - 0.6	12.5	53 ± 1 ⁽²⁾	0.7	12.5

Notes:

- ⁽¹⁾ Also available in 26 mm tape spacing
- ⁽²⁾ Also available in 73 mm spacing



FUSING PERFORMANCE



DERATING

PACKAGING						
MODEL	PIECES/ REEL	CODE	MIN. ORDER QTY PACKAGING UNITS	PIECES/ BOX	CODE	MIN. ORDER QTY PACKAGING UNITS
LCA0207SI	5000	R5	1	2000/5000	A2/A5	2/1
LCA0411SI	2500	RE	1	1000	A1	2

Note:

- For further information about packaging see appropriate catalog or web page



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