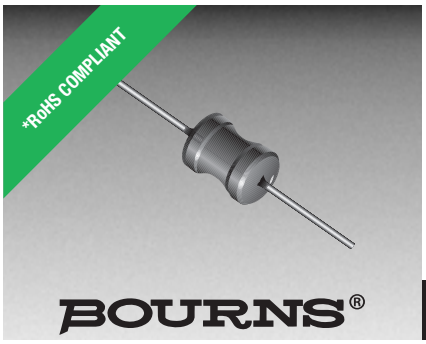


Features

- High current up to 3.5 A
- RoHS compliant*

Applications

- DC-DC converters
- Power supplies
- General use

LPA Series Axial Power Inductors

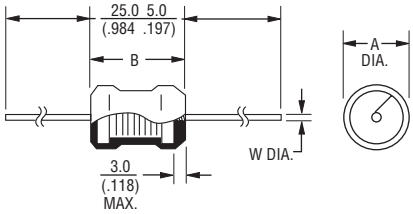
General Specifications

Temperature Rise
.....45 °C max. at rated current
Operating Temperature -40 °C to +85 °C
Storage Temperature.. -40 °C to +105 °C

Materials

Core Material.....Ferrite DR core
Wire ..... Enameled copper wire
Terminal..... Cu/Sn
Tube .....Shrinkable tube 125 °C, 600 V

Product Dimensions



Additional Information

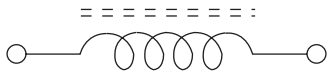
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PRODUCT | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

Electrical Characteristics and Product Dimensions

BOURNS Part No.	Inductance (µH) 1KHz	RDC (Ω) max.	IDC (A) max.	Dimensions		
				A max.	B max.	W dia.
LPA0618-100KL	10 ± 10 %	0.075	2.00	6.0 (.236)	18.0 (.709)	0.65 ± 0.05 (.026 ± .002)
LPA0618-250KL	25 ± 10 %	0.150	1.20	6.0 (.236)	18.0 (.709)	0.65 ± 0.05 (.026 ± .002)
LPA0618-500KL	50 ± 10 %	0.200	0.80	6.0 (.236)	18.0 (.709)	0.65 ± 0.05 (.026 ± .002)
LPA0618-101KL	100 ± 10 %	0.300	0.60	6.0 (.236)	18.0 (.709)	0.65 ± 0.05 (.026 ± .002)
LPA0618-251KL	250 ± 10 %	1.000	0.40	6.0 (.236)	18.0 (.709)	0.65 ± 0.05 (.026 ± .002)
LPA0618-501KL	500 ± 10 %	2.000	0.25	6.0 (.236)	18.0 (.709)	0.65 ± 0.05 (.026 ± .002)
LPA0618-102KL	1000 ± 10 %	3.000	0.20	6.0 (.236)	18.0 (.709)	0.65 ± 0.05 (.026 ± .002)
LPA1020-100KL	10 ± 10 %	0.050	3.50	10.0 (.394)	20.0 (.787)	0.65 ± 0.05 (.026 ± .002)
LPA1020-250KL	25 ± 10 %	0.085	2.50	10.0 (.394)	20.0 (.787)	0.65 ± 0.05 (.026 ± .002)
LPA1020-500KL	50 ± 10 %	0.120	2.00	10.0 (.394)	20.0 (.787)	0.65 ± 0.05 (.026 ± .002)
LPA1020-101KL	100 ± 10 %	0.180	1.40	10.0 (.394)	20.0 (.787)	0.65 ± 0.05 (.026 ± .002)
LPA1020-251KL	250 ± 10 %	0.500	0.80	10.0 (.394)	20.0 (.787)	0.65 ± 0.05 (.026 ± .002)
LPA1020-501KL	500 ± 10 %	1.000	0.60	10.0 (.394)	20.0 (.787)	0.65 ± 0.05 (.026 ± .002)
LPA1020-102KL	1000 ± 10 %	2.200	0.40	10.0 (.394)	20.0 (.787)	0.65 ± 0.05 (.026 ± .002)

Electrical Schematic



DIMENSIONS: MM / (INCHES)

CALIFORNIA WARNING Can expose you to lead, a carcinogen and reproductive toxicant.
See www.P65Warnings.ca.gov

REV. 08/25
*RoHS Directive 2015/863, Mar 31, 2015 and Annex.
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Users should verify actual device performance in their specific applications.
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