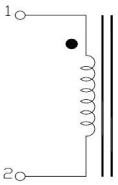
Power Inductors

Model HA72L-1770 series

Features:

- Operating Temperature Range –40°C to +125°C
- Ambient Temperature, Maximum +85°C
- Temperature Rise, Maximum 40°C
- RoHS Compliant
- AEC-Q200 Certified

Schematic



Specifications @ 25°C

Part Number	Inductance (µH ±20% @0A	DCR (mΩ) Typ	DCR (mΩ) Max	Irms (A)	Isat (A)	Part Number	Inductance (µH ±20% @0A	DCR (mΩ) Typ.	DCR (mΩ) Max	Irms (A)	Isat (A)
HA72L-1770R82LFTR	0.82	0.98	1.08	56.5	45.0	HA72L-1770100LFTR	10.0	8.89	9.33	19.0	17.0
HA72L-17701R0LFTR	1.00	1.21	1.27	55.5	32.0	HA72L-1770150LFTR	15.0	13.70	14.40	14.0	12.0
HA72L-17701R5LFTR	1.50	1.54	1.62	48.0	31.0	HA72L-1770220LFTR	22.0	20.00	21.00	12.0	9.5
HA72L-17702R2LFTR	2.20	1.85	1.98	43.5	28.0	HA72L-1770330LFTR	33.0	35.10	37.00	10.7	9.0
HA72L-17703R3LFTR	3.30	2.79	2.93	35.0	27.0	HA72L-1770470LFTR	47.0	40.70	42.70	8.7	8.6
HA72L-17704R7LFTR	4.70	3.98	4.18	30.0	21.0	HA72L-1770560LFTR	56.0	55.00	57.80	7.2	4.2
HA72L-17705R6LFTR	5.60	4.23	4.44	28.0	21.0	HA72L-1770680LFTR	68.0	72.10	75.70	6.1	4.5
HA72L-17706R8LFTR	6.80	5.86	6.15	22.5	18.5	HA72L-1770820LFTR	82.0	87.30	91.70	5.5	4.5
HA72L-17708R2LFTR	8.20	7.71	8.10	21.0	18.0	HA72L-1770101LFTR	100.0	105.0	110.0	5.0	4.0

Notes: (1) Isat is the saturation current at which inductance rolls off approximately 30$ from its initial (zero DC)
(2) Irms is the approximate current at which ΔT = 40°C
(3) Operating Temperature Range –55°C to +155°C
(4) Test conditions for all case sizes is 100kHz @ 1V

General Note
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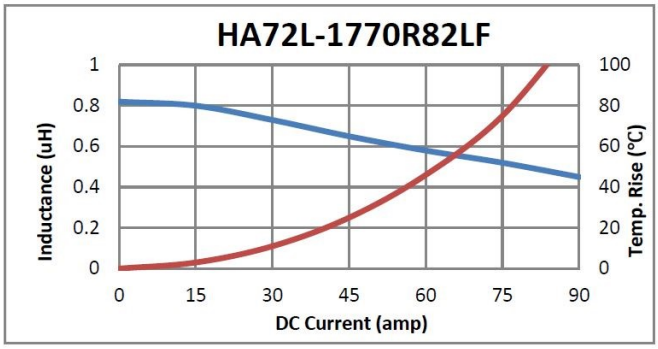
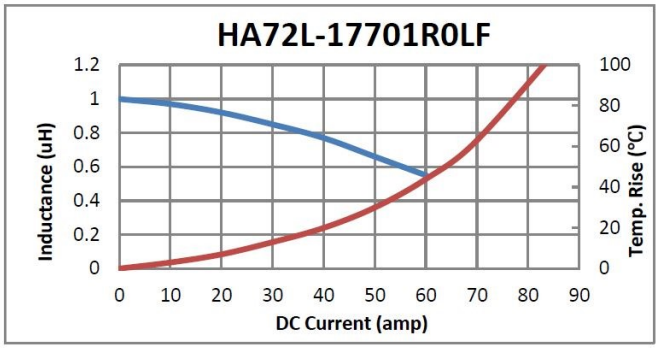
Electrical Characteristics @ 25°C

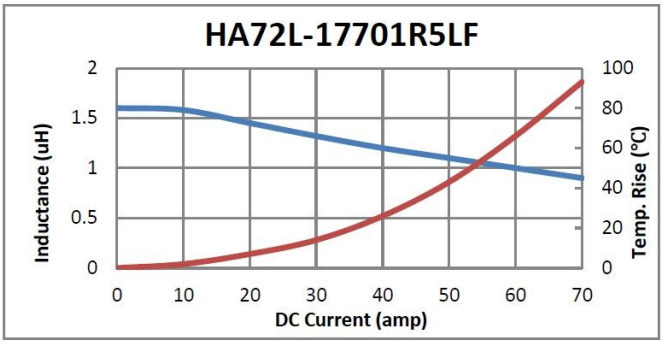
HA72L-1770R82LF



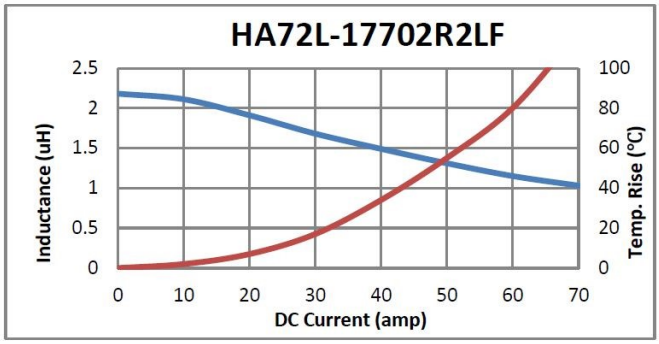
HA72L-17701R0LF



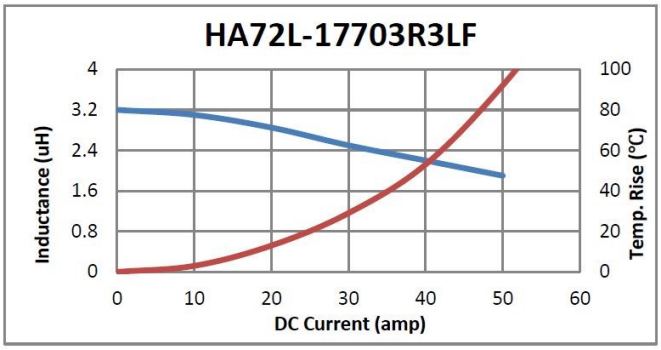
HA72L-17701R5LF



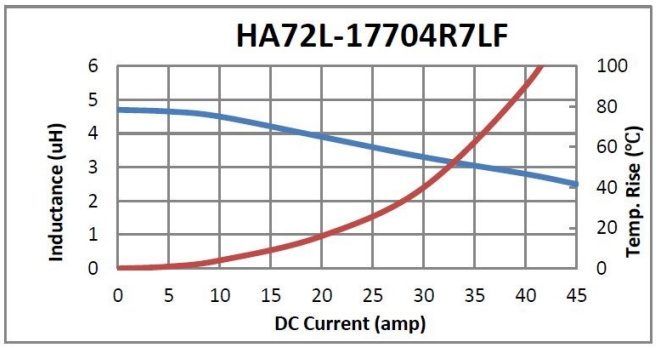
HA72L-17702R2LF



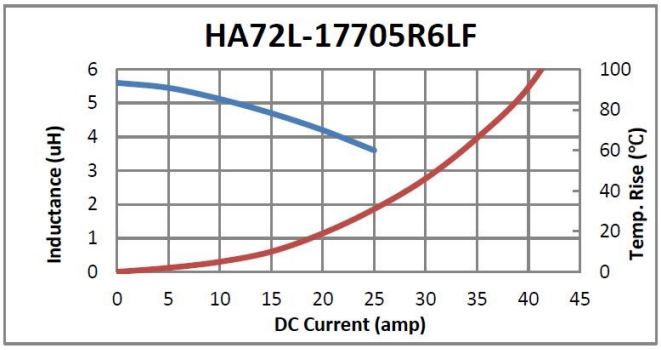
HA72L-17703R3LF



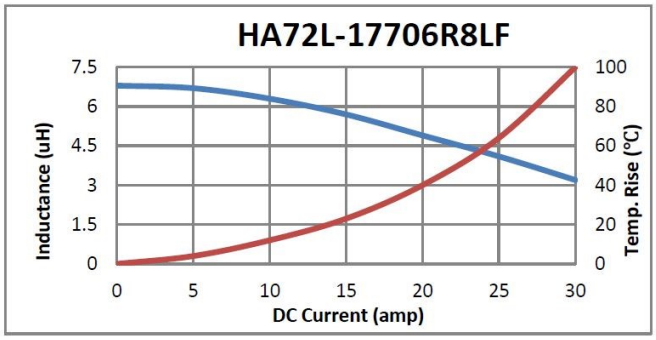
HA72L-17704R7LF



HA72L-17705R6LF



HA72L-17706R8LF



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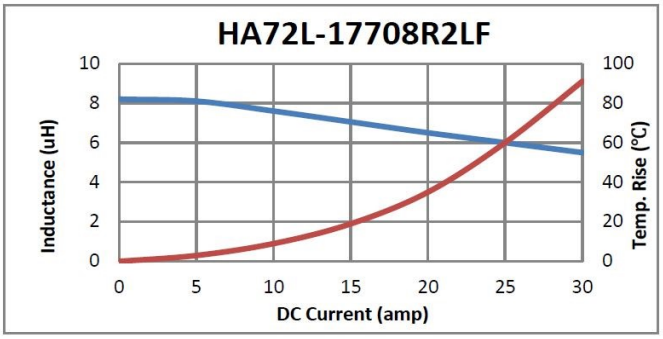
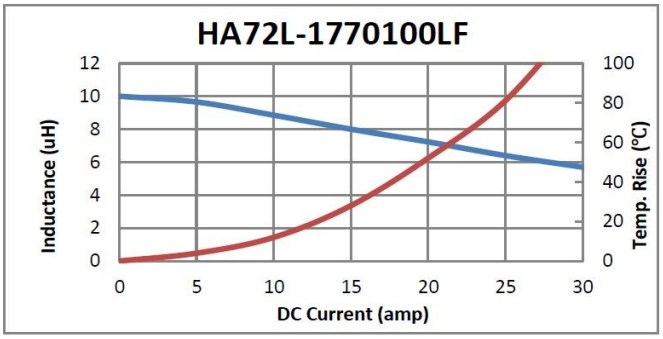
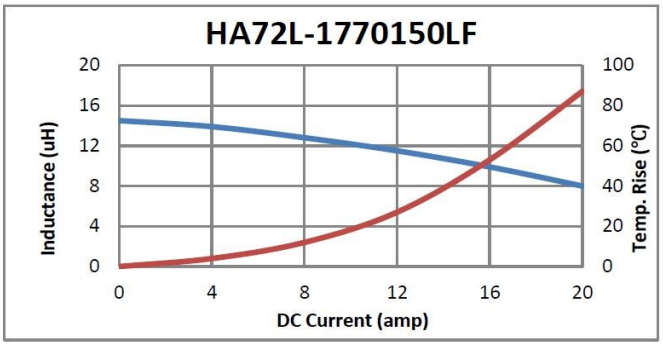
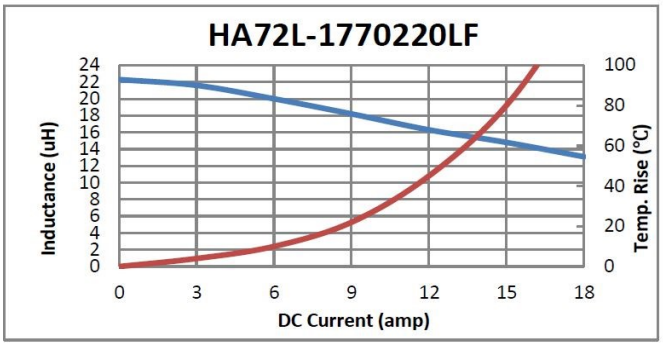
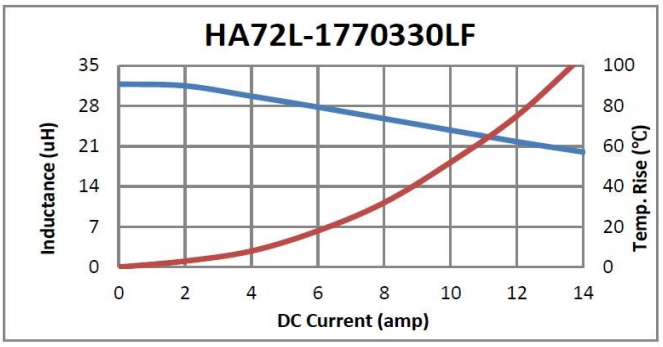
Electrical Characteristics @25°C

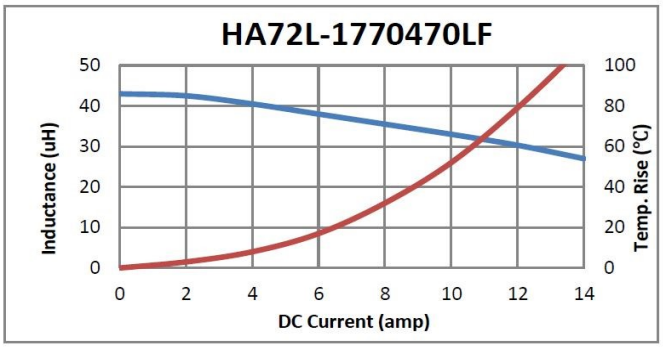


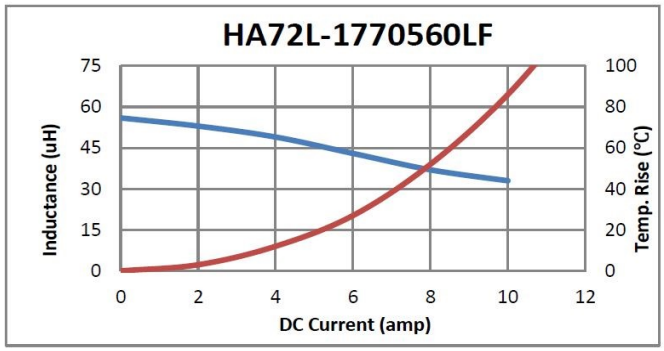


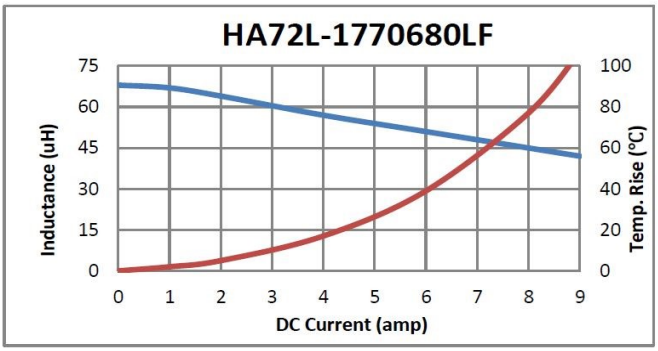












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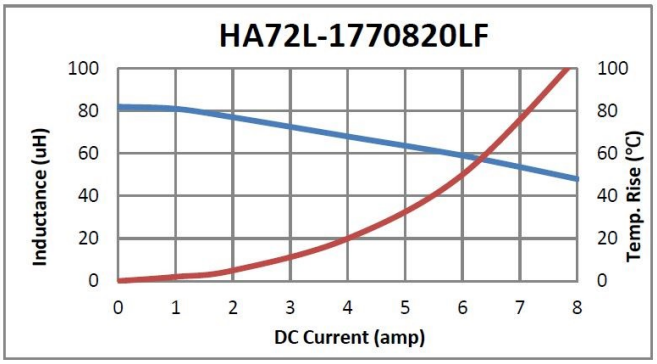
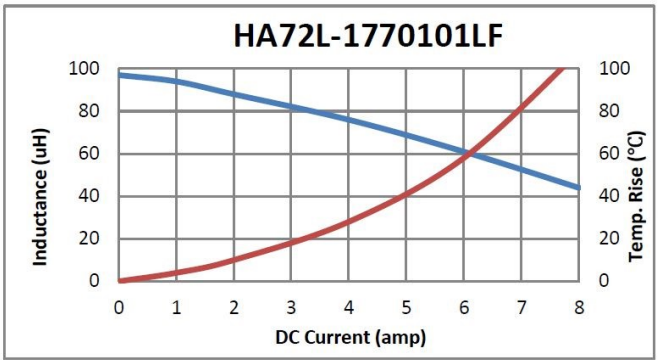
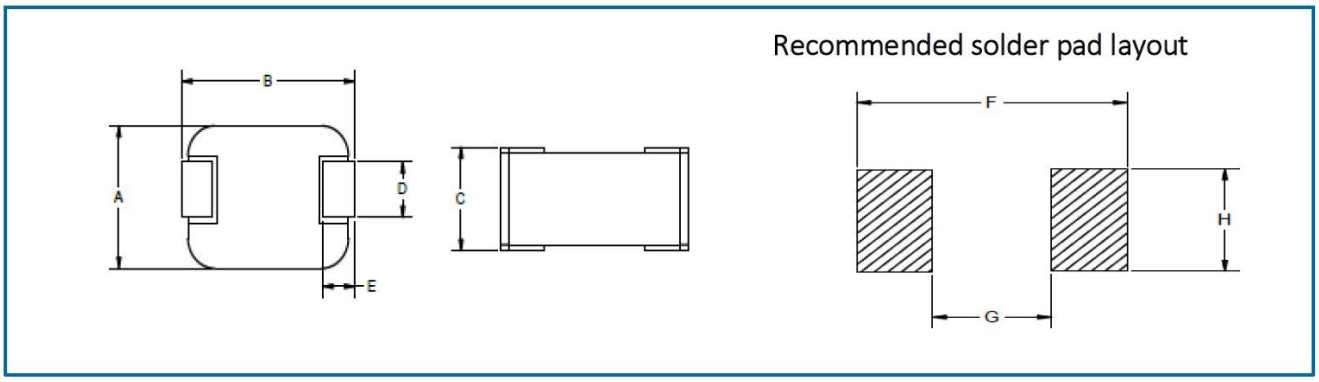




Outline dimensions (mm)



CASE SIZE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)
1770 series	17.15 Max	18.0 ± 0.3	7	11.94 ± 0.3	2.7 ± 0.4	18.03	11.68	12.09

Packaging

Standard:	Embossed Tape and Reel				
	Reel:	Diameter	All case size	=	13" (330mm)
		Capacity	Case size 1770	=	150 units

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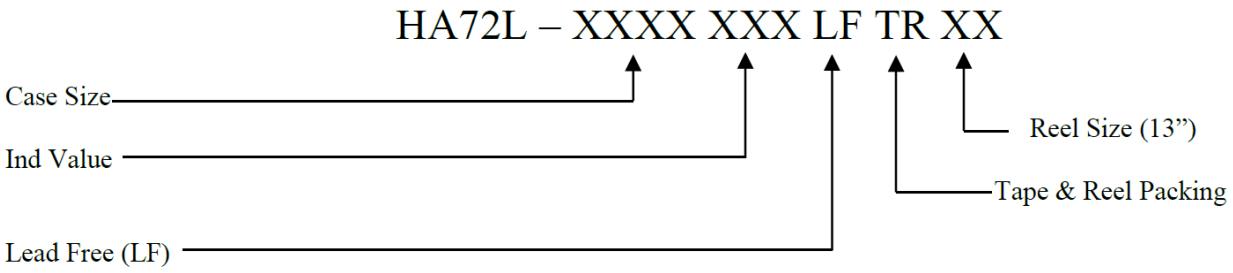
Ordering information



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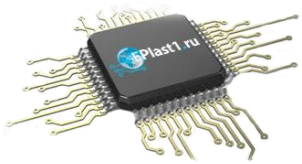
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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