



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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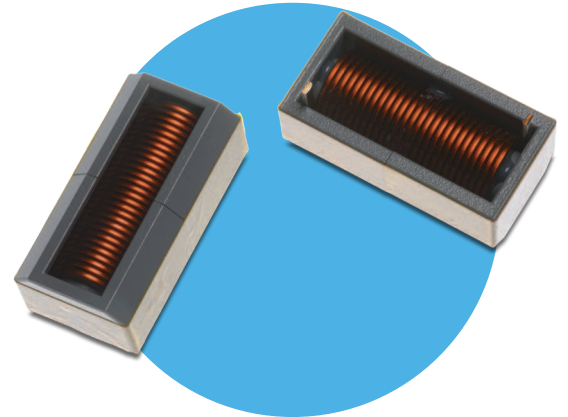
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Power Inductor

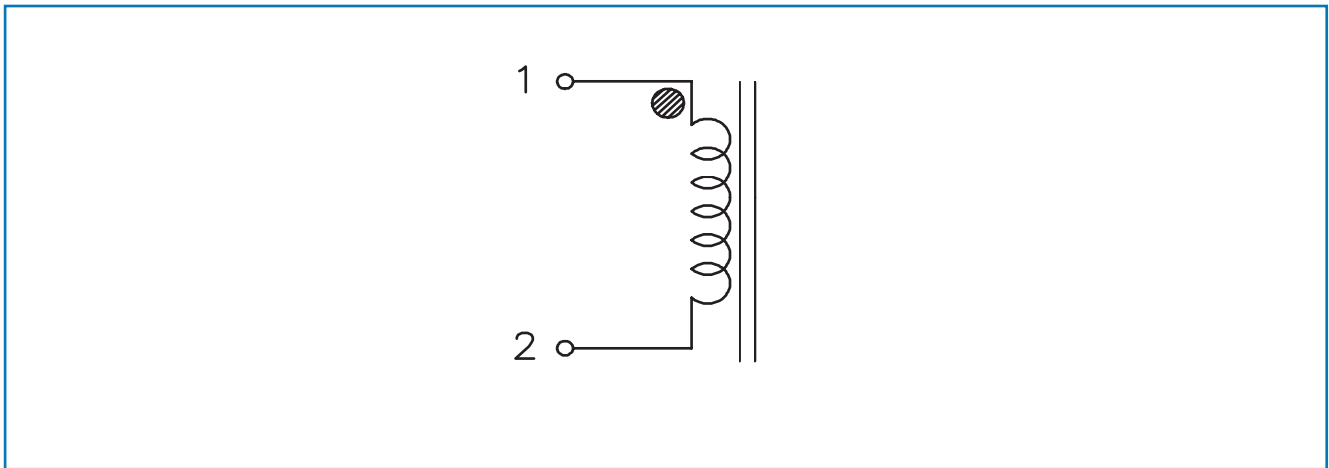
MODEL HA55

- Operating Temperature Range -40°C to +155°C
- High inductance, high efficiency and excellent current handling
- Use as DC-DC converter and in high current applications, suitable for industrial as well as automotive application
- RoHS Compliant
- AEC-Q200 Certified



All parts are Pb-free and comply with EU Directive 2011/65/EU (RoHS2)

Electrical Schematic



Specifications @ 25°C

Part Number	Inductance 100kHz, 100mV (μH) TYP	@Rated Current Inductance 100kHz, 100mV (μH) TYP	I _{rated} Rated Current (A)	I _{sat} Saturation Current (A)	DC Resistance		SRF MHz Type	Figure
					mΩ Typ	mΩ Max		
HA55-3623200LF	20.00	14.50	33.00	35.0	3.35	3.85	14.0	1
HA55-3023115LF	11.50	8.24	39.00	43.0	2.30	2.76	33.0	2
HA55-2223070LF	7.00	5.33	40.00	48.0	1.70	2.00	33.0	3
HA55-3023130LF	13.00	9.33	37.00	40.0	2.50	3.25	19.0	4
HA55L-3623220LF*	22.00	13.00	34.00	26.0	3.35	3.85	12.0	1
HA55L-3023135LF*	13.50	8.42	39.00	30.0	2.30	2.76	33.0	2
HA55L-2223088LF*	8.83	5.52	41.00	33.0	1.70	2.00	36.0	3
HA55L-3023163LF*	16.30	9.38	37.00	27.0	2.50	3.25	25.0	4
HA55L-3623400LF*	40.00	24.00	26.00	20.0	5.70	6.20	8.25	1
HA55L-4523500LF*	50.00	26.00	32.00	20.0	7.25	8.35	6.85	5

Notes : (1) Inductance is measured at 100kHz, 0.1Vrms, 0A_{dc}.

(2) The rated current is the approximate DC current at which ΔT is approximately 60°C. This current is determined by soldering the unit on a typical application PCB, and then applying the current to the unit for 30 minutes.

(3) Isat is the saturation current at which inductance rolls off approximately 30% from its initial unbiased inductance value.

* Low cost version

General Note

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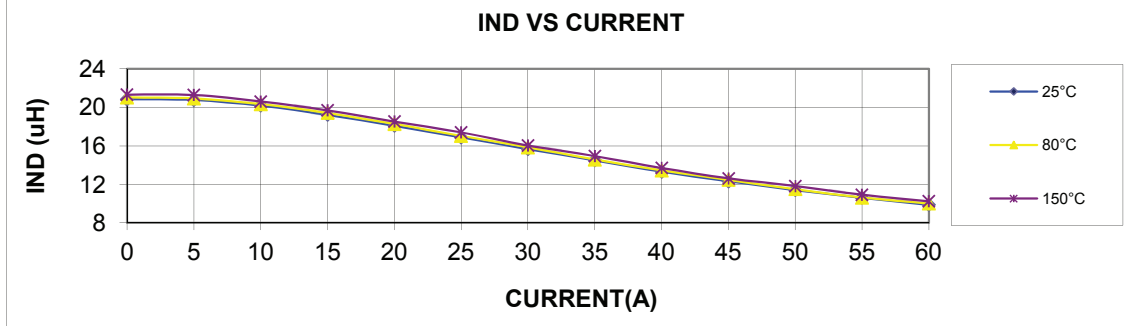
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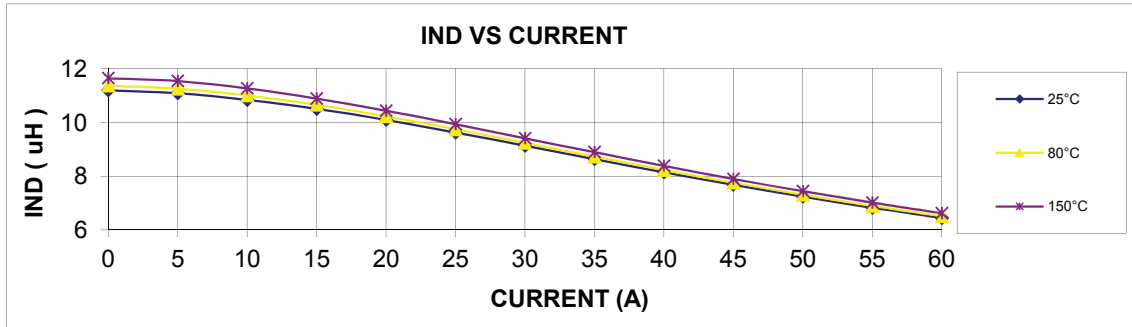
MODEL HA55

Electrical Characteristics

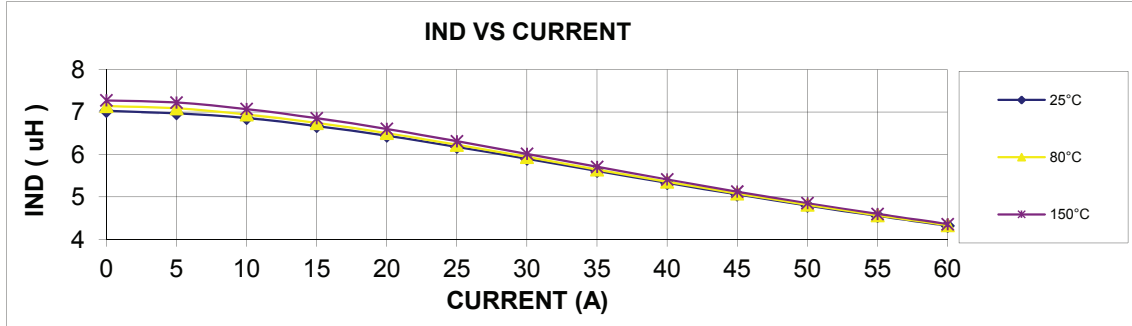
HA55-3623200LF



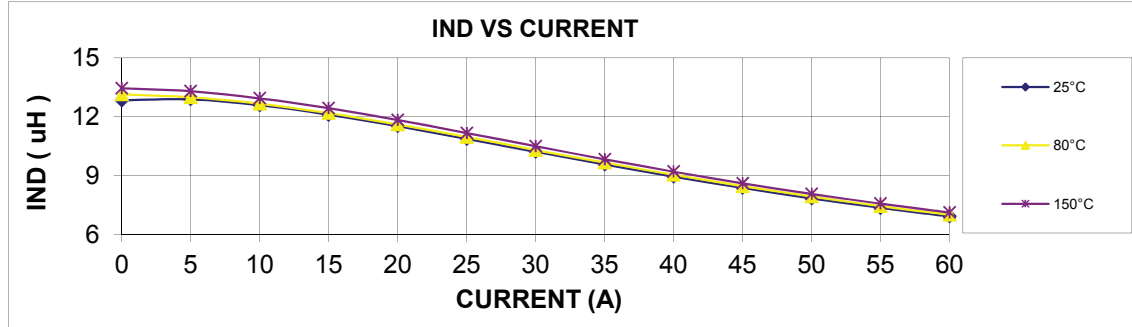
HA55-3023115LF



HA55-2223070LF



HA55-3023130LF



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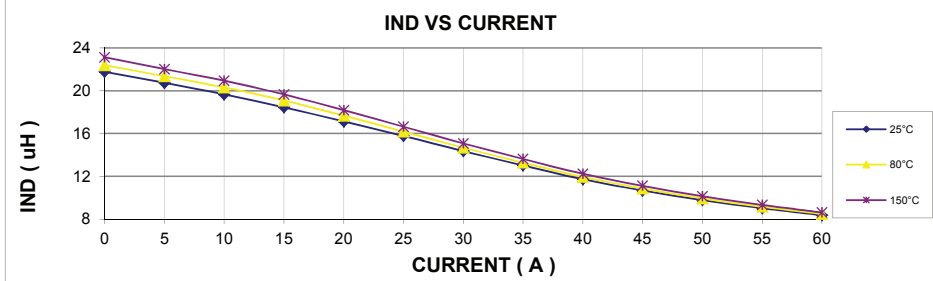
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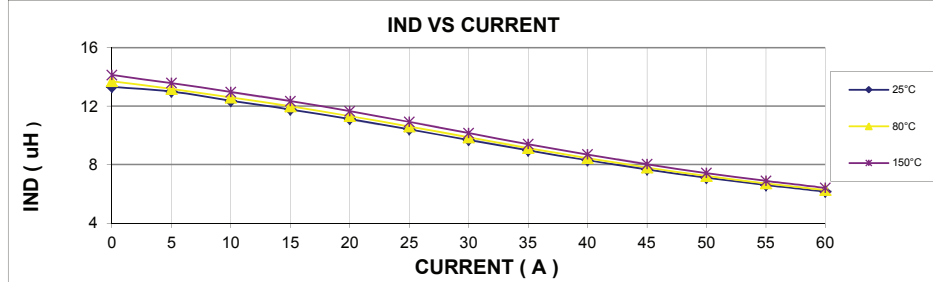
MODEL HA55

Electrical Characteristics

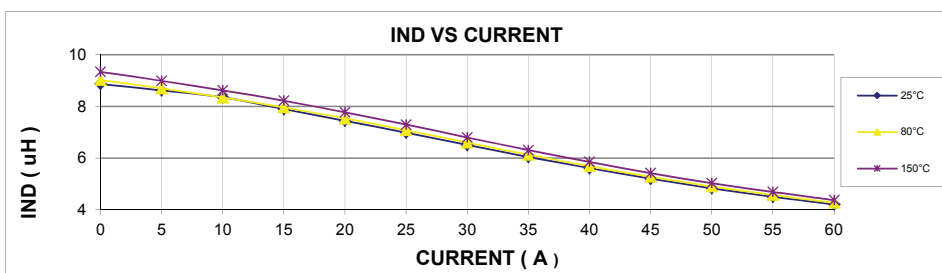
HA55L-3623220LF*



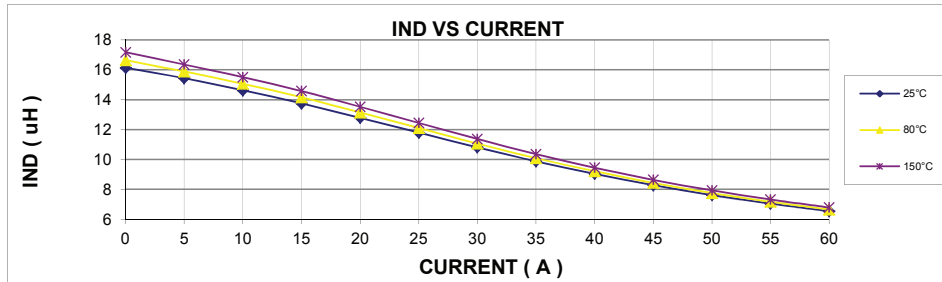
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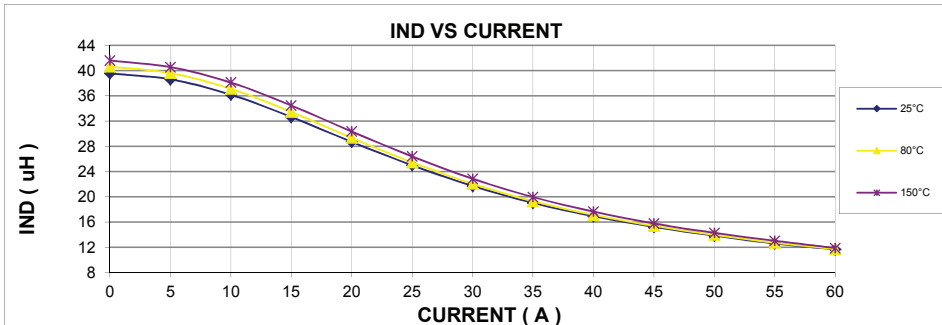
HA55L-2223088LF*



HA55L-3023163LF*



HA55L-3623400LF*



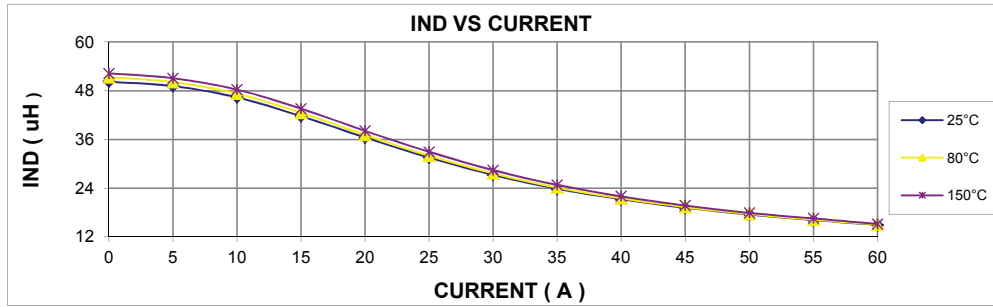
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MODEL HA55

Electrical Characteristics

HA55L-4523500LF*



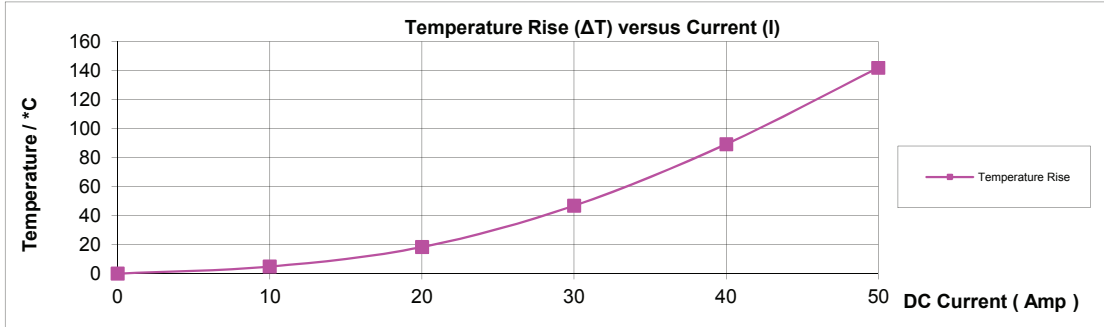
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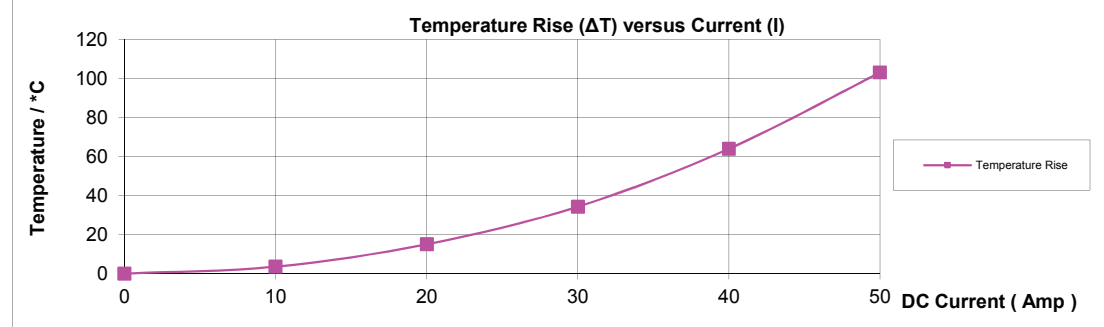
MODEL HA55

Electrical Characteristics

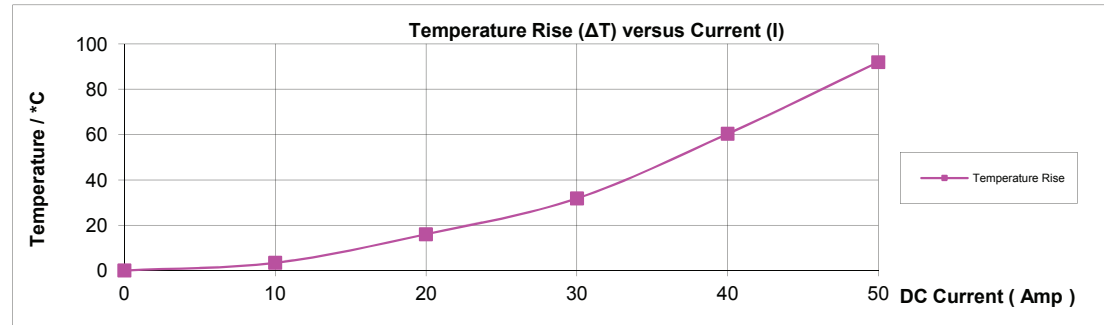
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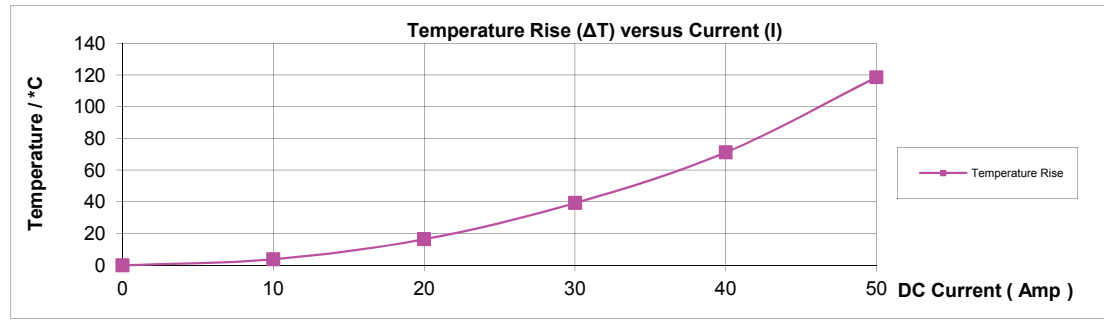
HA55-3023115LF



HA55-2223070LF



HA55-3023130LF



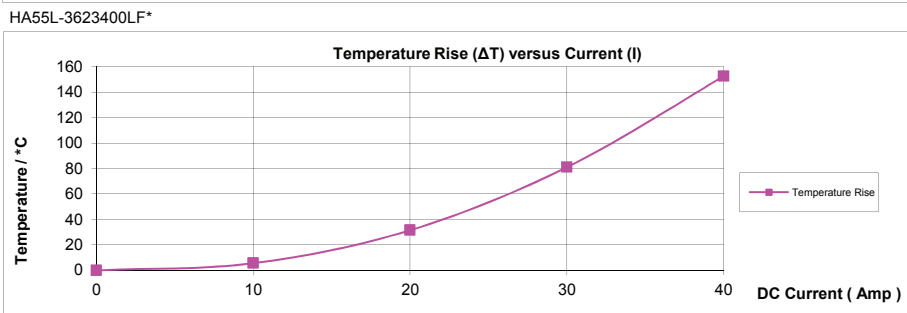
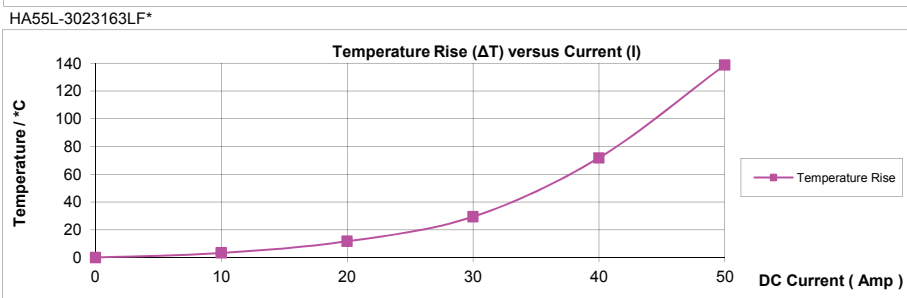
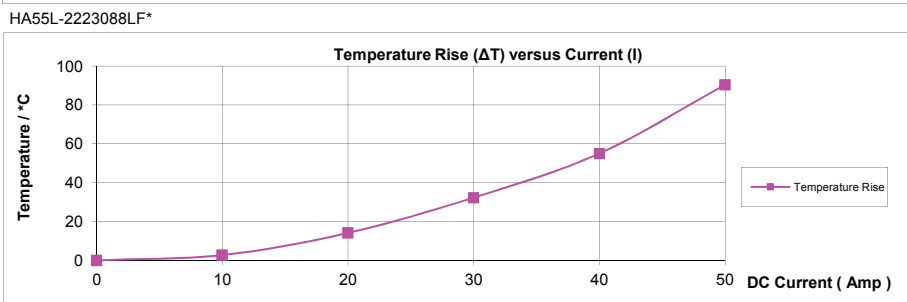
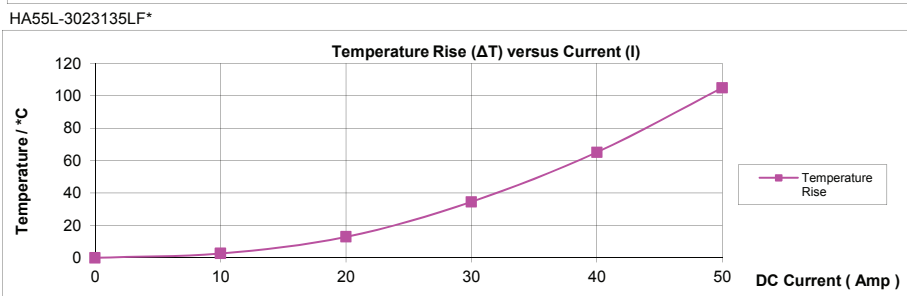
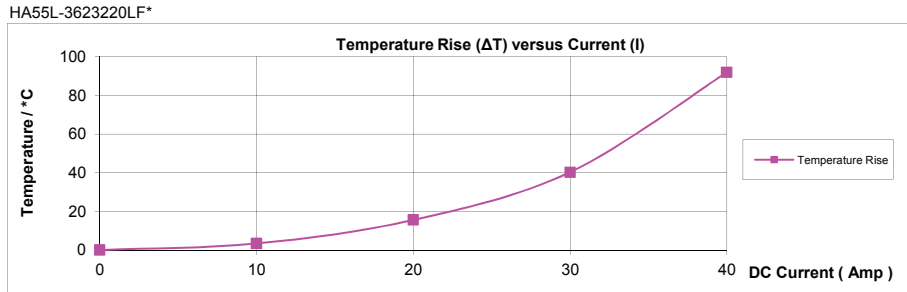
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MODEL HA55

Electrical Characteristics



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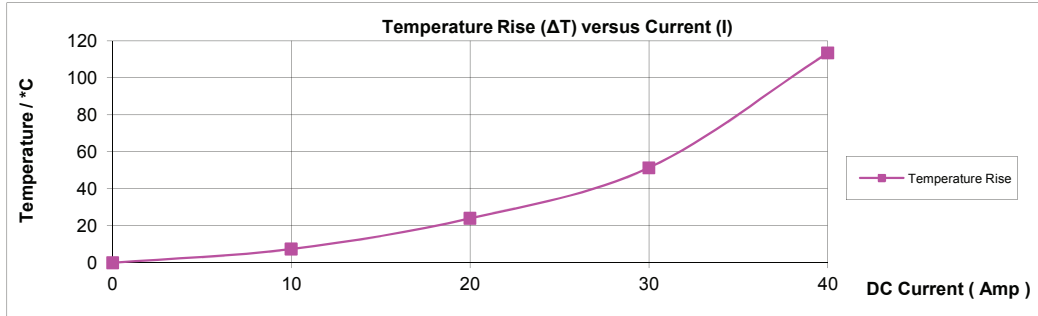
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MODEL HA55

Electrical Characteristics

HA55L-4523500LF*



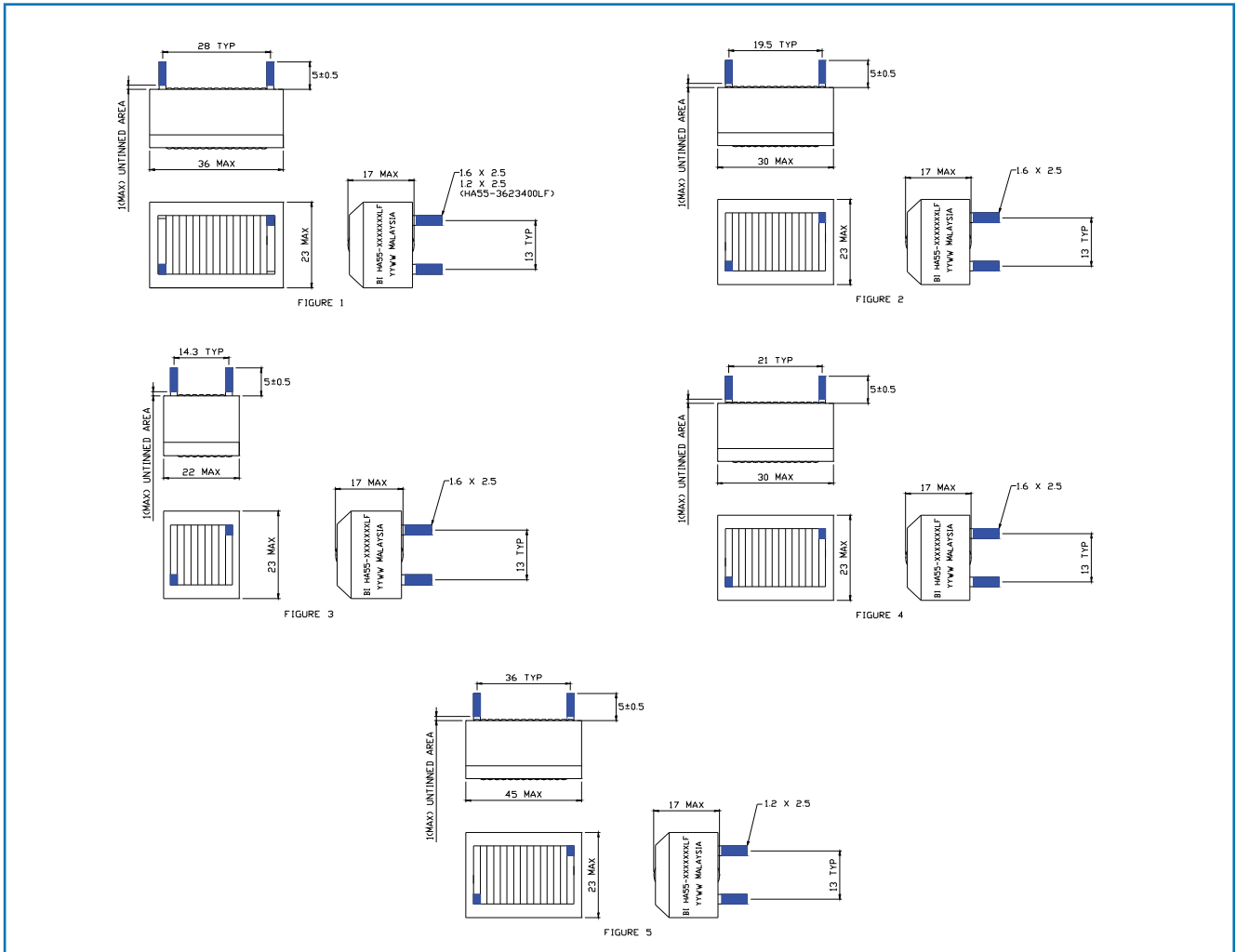
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MODEL HA55

Mechanical Outline (mm)

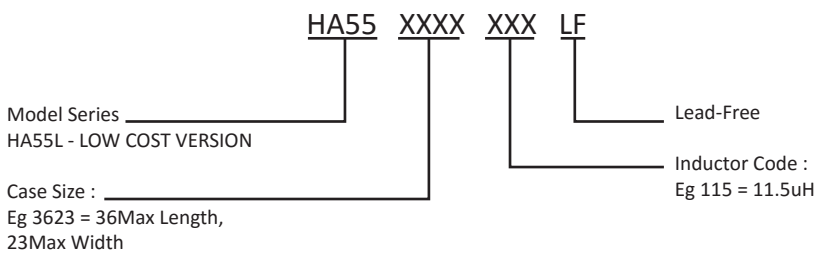


Packaging

(Packed in compact PE foam)

- 1) 1 shipping carton 72pcs (FOR CASE 3623 & 4523)
- 2) 1 shipping carton 108pcs (FOR CASE 3023)
- 3) 1 shipping carton 144pcs (FOR CASE 2223)

Ordering Information



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