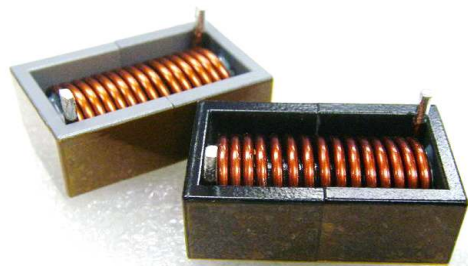


Electrical / Environmental



NEW

**RoHS
Compliant**

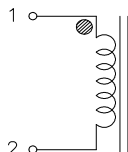
**AECQ-200
CERTIFIED**

HA55

Power Inductor

- Operating Temperature Range -40°C to +155°C
- Ambient Temperature, Maximum +85°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.

Electrical Schematic



Specifications @ 25°C

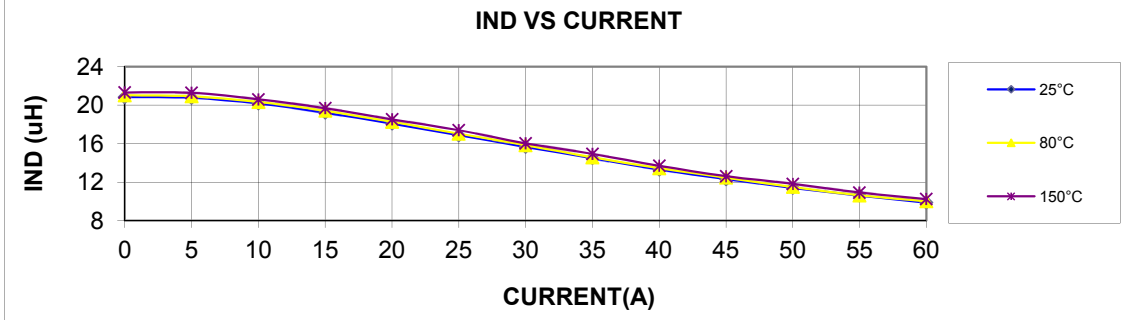
Part Number	INDUCTANCE	@RATED CURRENT	I_{rated}	I_{sat}	DC Resistance		FIGURE
	100kHz, 100mV	INDUCTANCE	RATED	SATURATION	mΩ	mΩ	
	(μH) TYP	100kHz, 100mV	CURRENT	CURRENT	Typ	Max	
	(μH) TYP	(μH) TYP	(A)	(A)			
HA55-3623200LF	20.00	14.50	33.00	35.0	3.35	3.85	1
HA55-3023115LF	11.50	8.24	39.00	43.0	2.30	2.76	2
HA55-2223070LF	7.00	5.33	40.00	48.0	1.70	2.00	3
HA55-3023130LF	13.00	9.33	37.00	40.0	2.50	3.25	4
HA55L-3623220LF*	22.00	13.00	34.00	26.0	3.35	3.85	1
HA55L-3023135LF*	13.50	8.42	39.00	30.0	2.30	2.76	2
HA55L-2223088LF*	8.83	5.52	41.00	33.0	1.70	2.00	3
HA55L-3023163LF*	16.30	9.38	37.00	27.0	2.50	3.25	4
HA55L-3623400LF*	40.00	24.00	26.00	20.0	5.70	6.20	1
HA55L-4523500LF*	50.00	26.00	32.00	20.0	7.25	8.35	5

- Notes :**
- (1) Inductance is measured at 100kHz, 0.1Vrms, 0Adc.
 - (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.

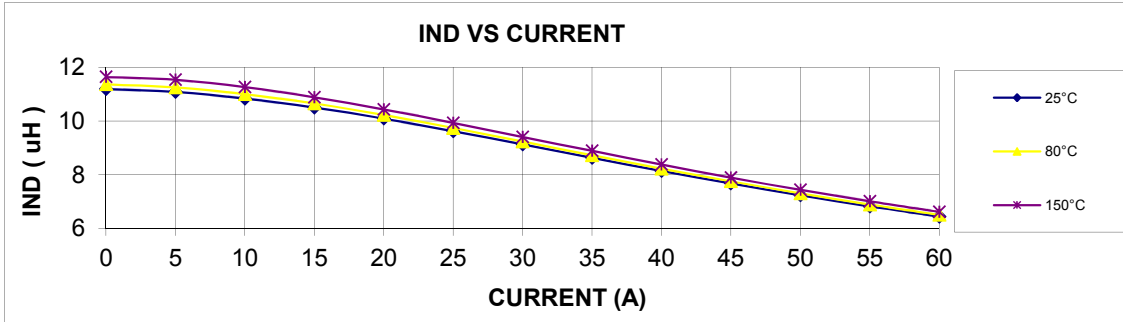
* Low cost version

Electrical Characteristics

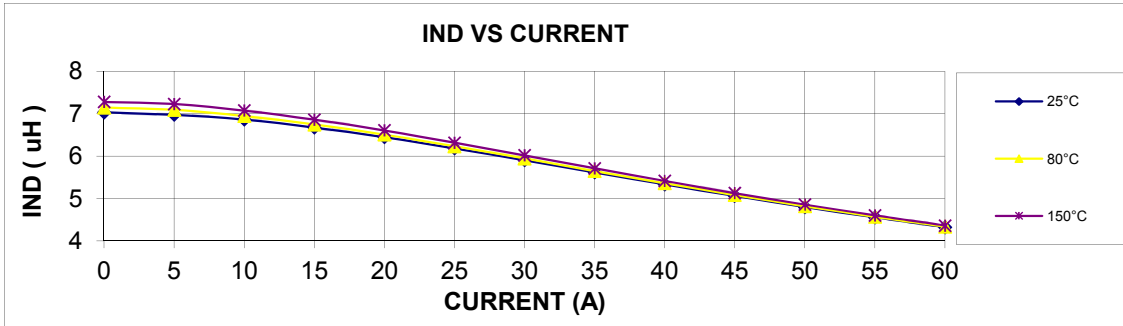
HA55-3623200LF



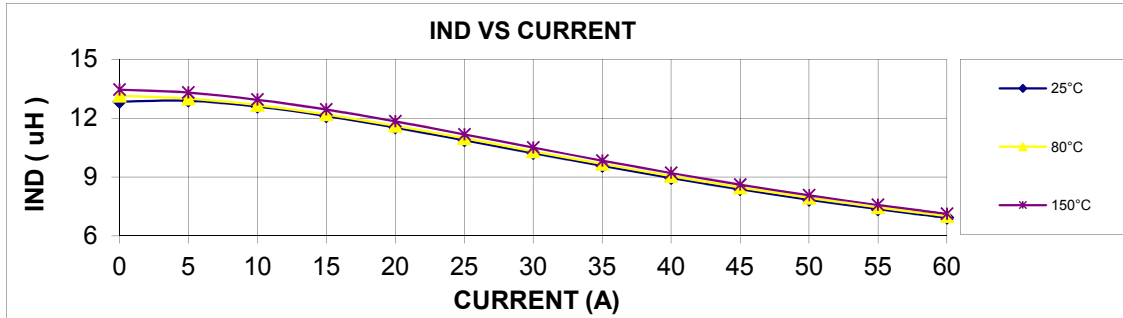
HA55-3023115LF



HA55-2223070LF

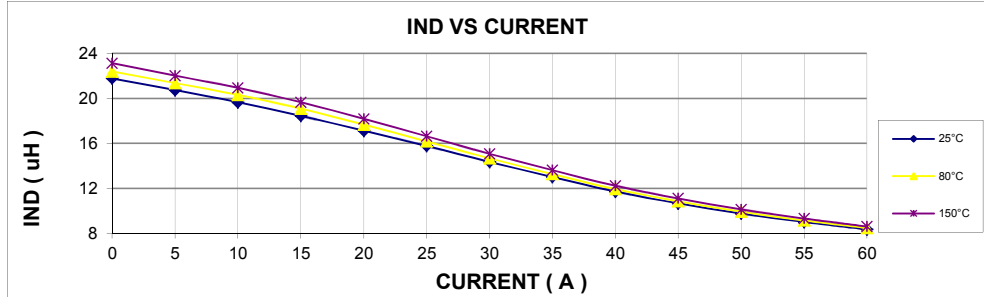


HA55-3023130LF

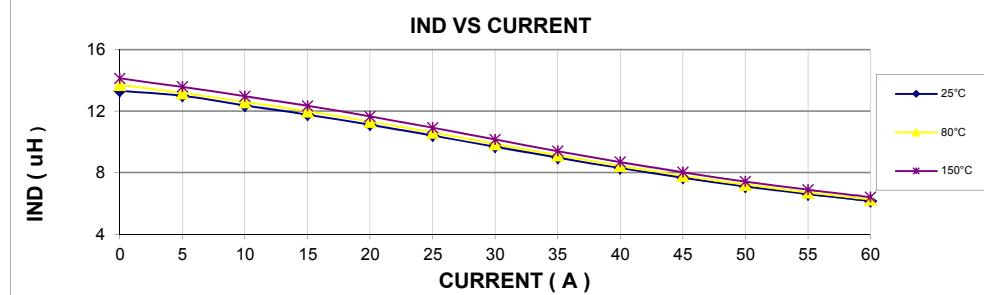


Electrical Characteristics

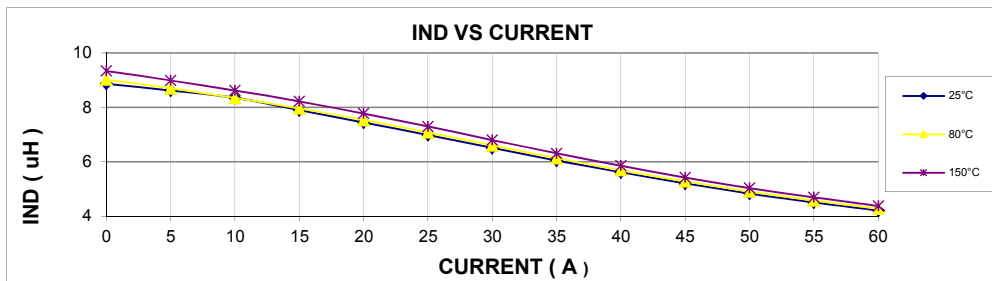
HA55L-3623220LF*



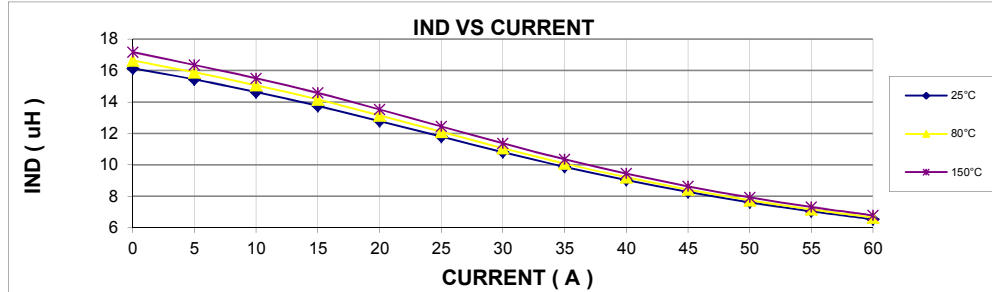
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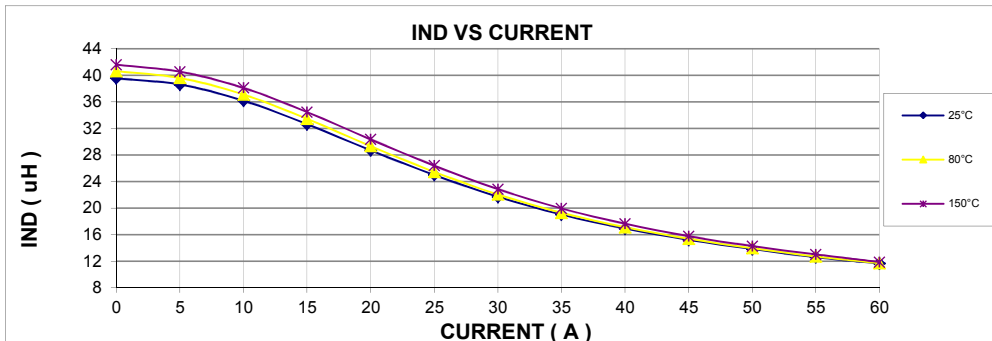
HA55L-2223088LF*



HA55L-3023163LF*

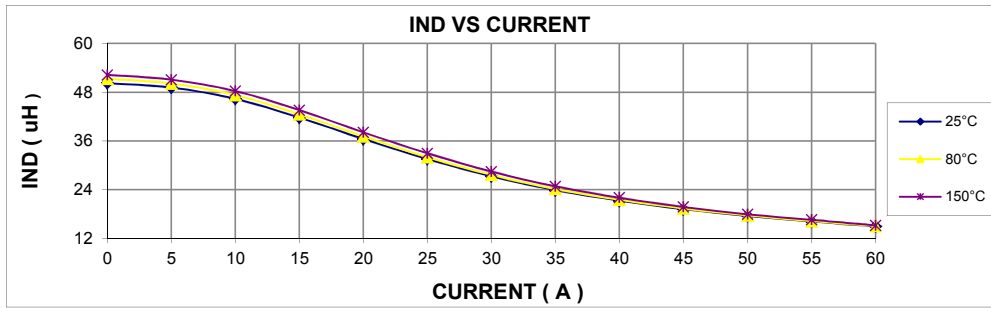


HA55L-3623400LF*



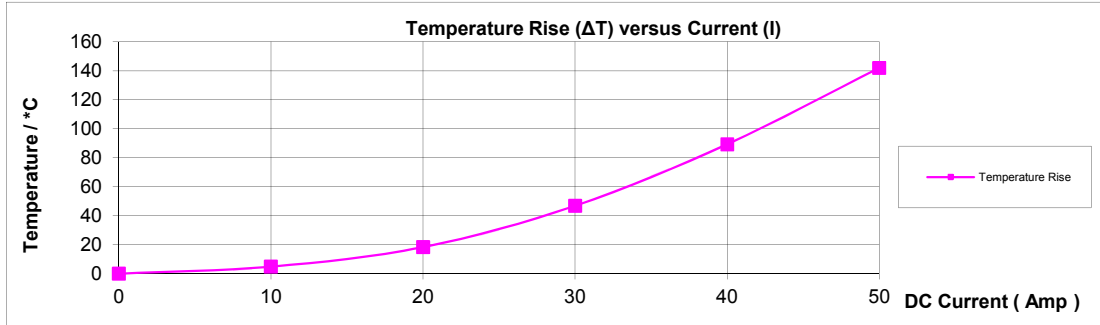
Electrical Characteristics

HA55L-4523500LF*

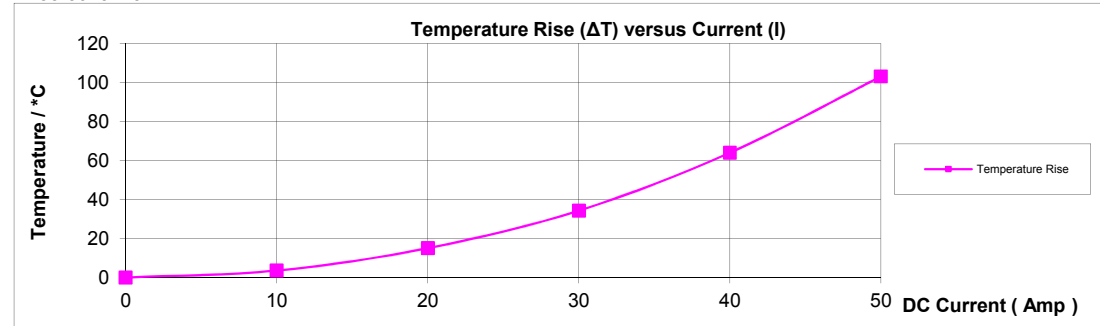


Electrical Characteristics

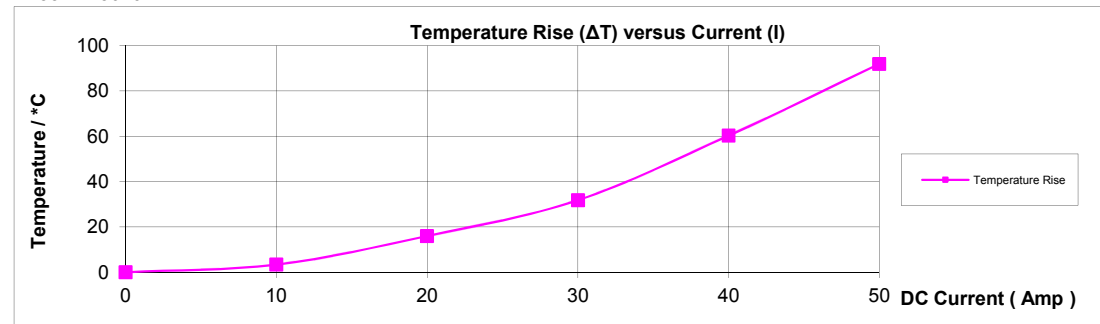
HA55-3623200LF



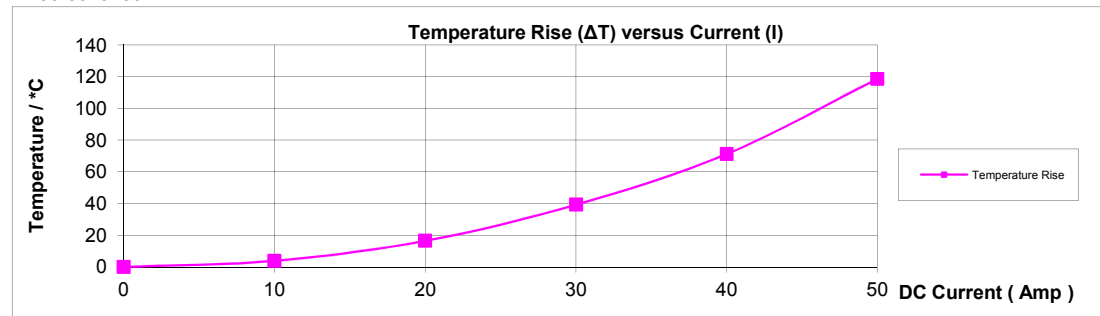
HA55-3023115LF



HA55-2223070LF

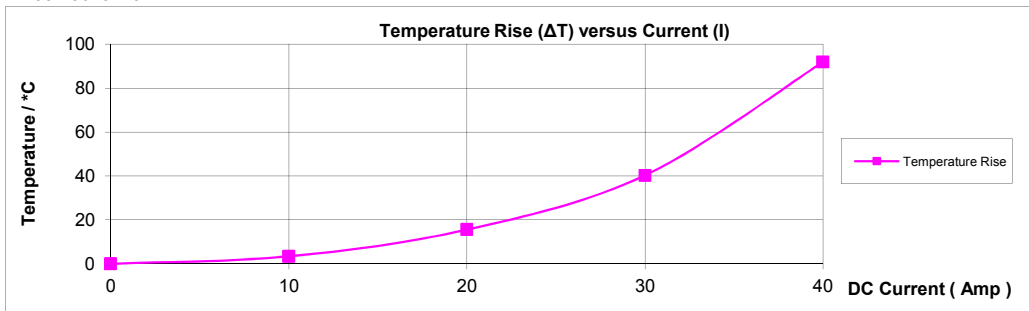


HA55-3023130LF

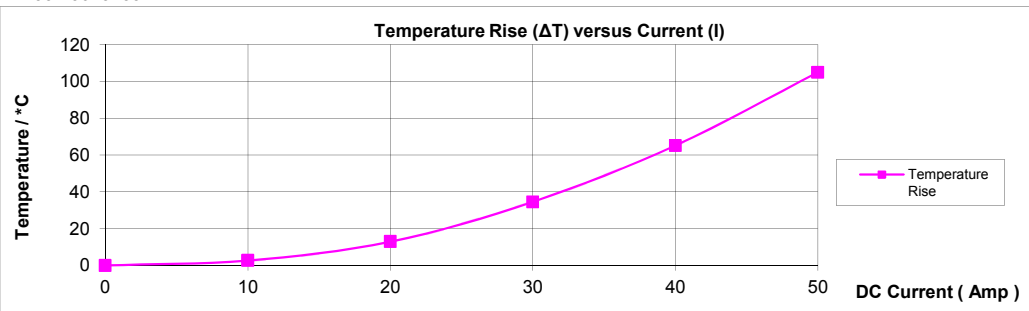


Electrical Characteristics

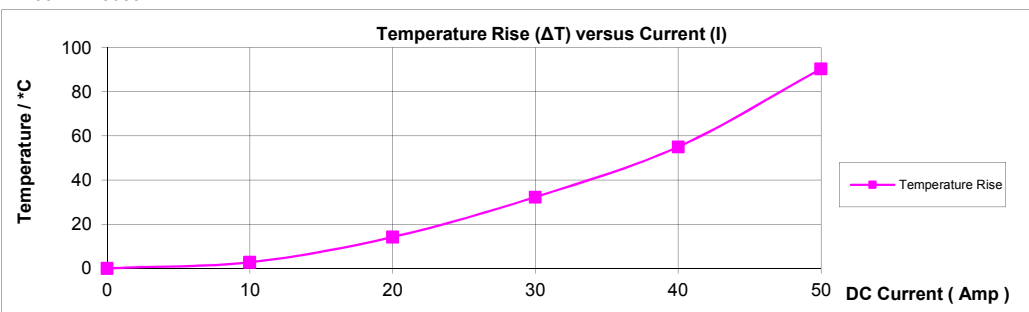
HA55L-3623220LF*



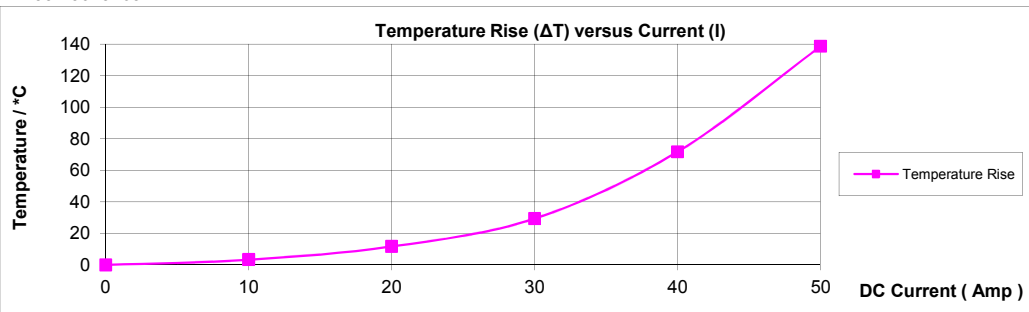
HA55L-3023135LF*



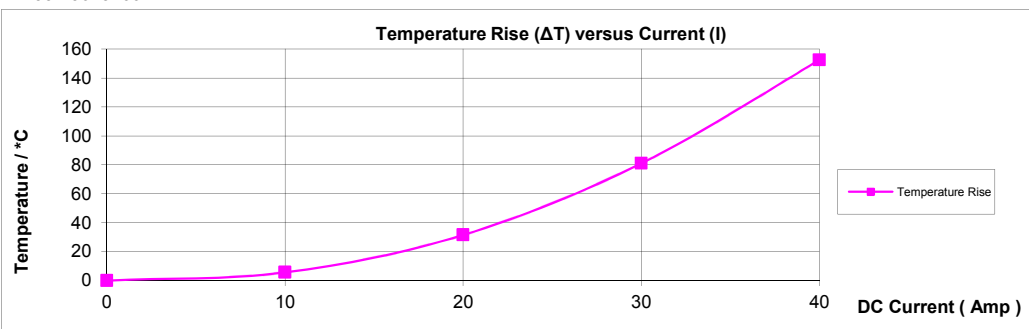
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HA55L-3023163LF*

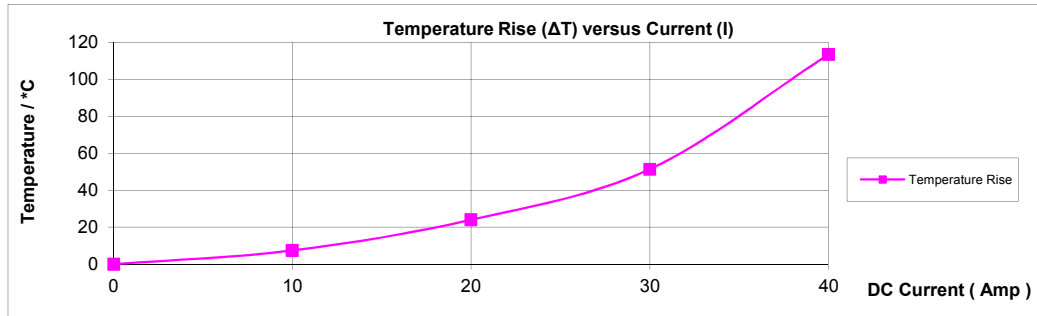


HA55L-3623400LF*

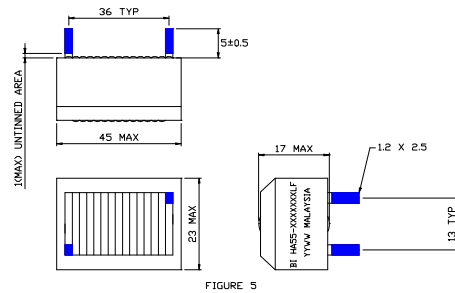
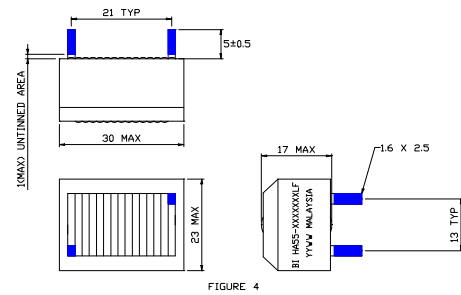
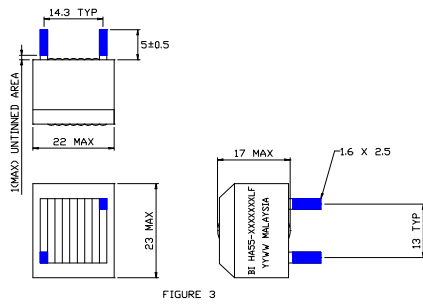
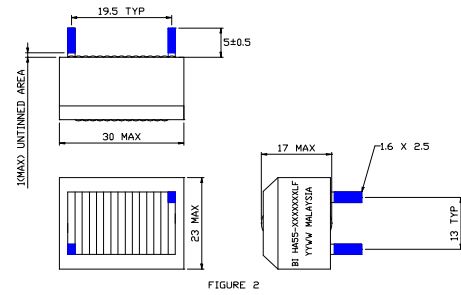
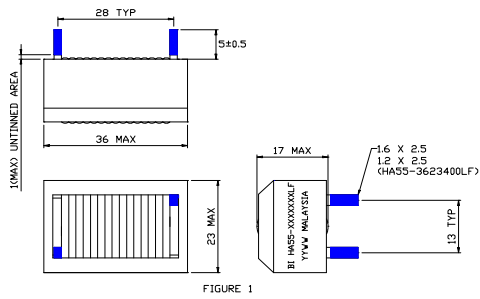


Electrical Characteristics

HA55L-4523500LF*



Mechanical Outline (mm)

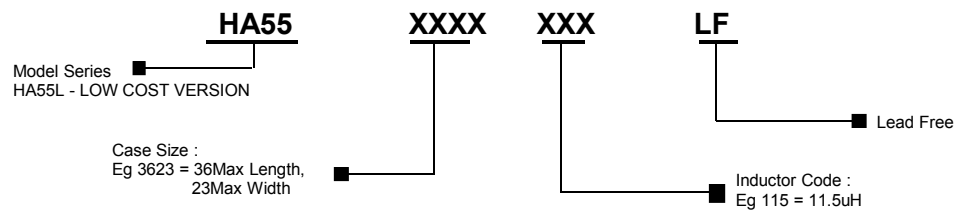


Packaging

(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



Mouser Electronics

Authorized Distributor

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[HA55L-3023163LF](#) [HA55L-3623220LF](#) [HA55L-3623400LF](#) [HA55L-2223088LF](#) [HA55L-4523500LF](#)