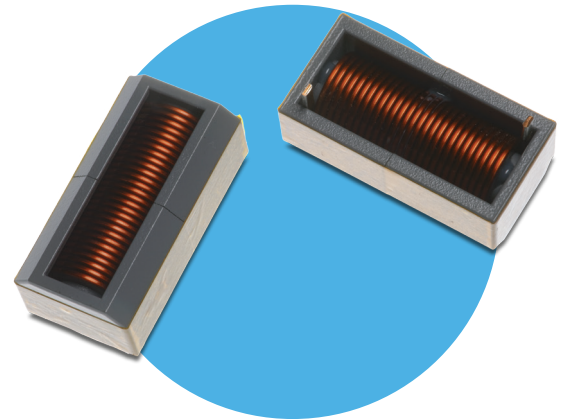


Power Inductor

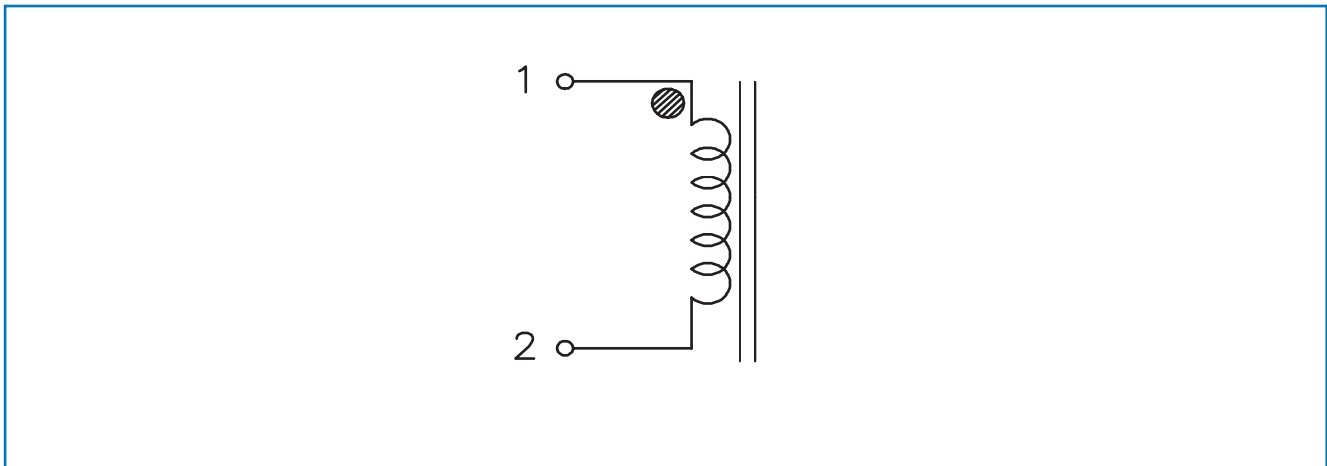
MODEL HA55

- 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 applications
- RoHS Compliant
- AEC-Q200 Cered



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, 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

General Note

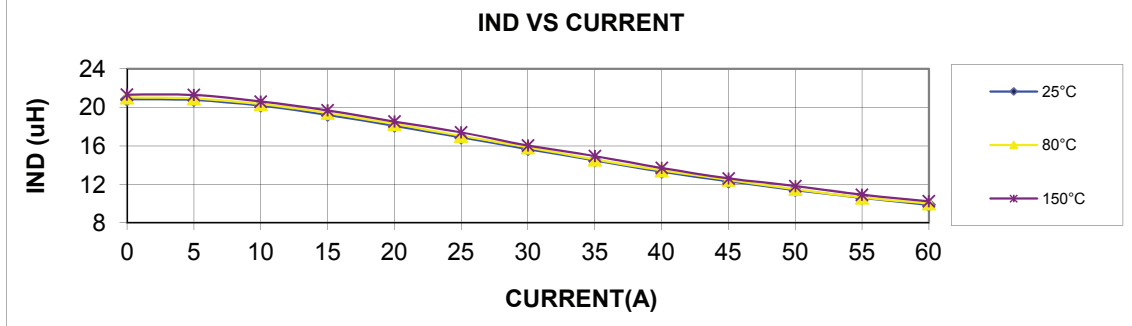
TT Electronics reserves the right to make changes in product specification without notice or liability.

All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

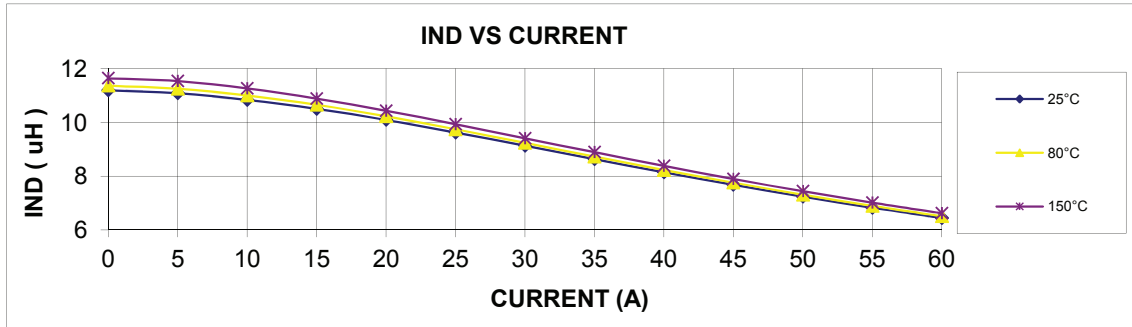
MODEL HA55

Electrical Characteris

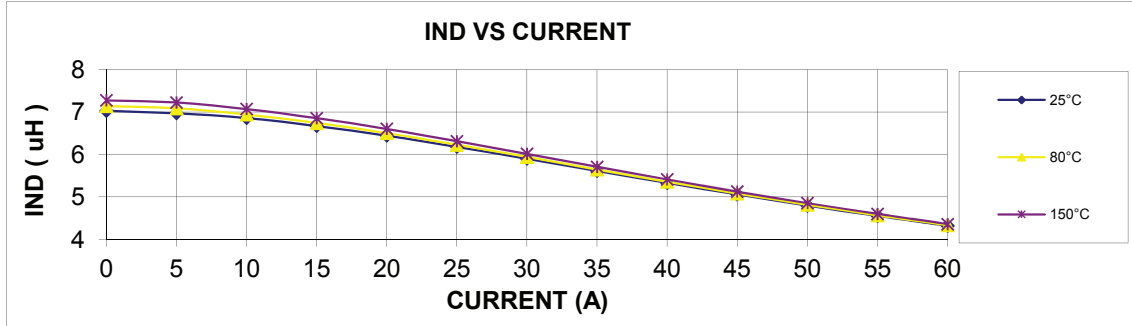
HA55-3623200LF



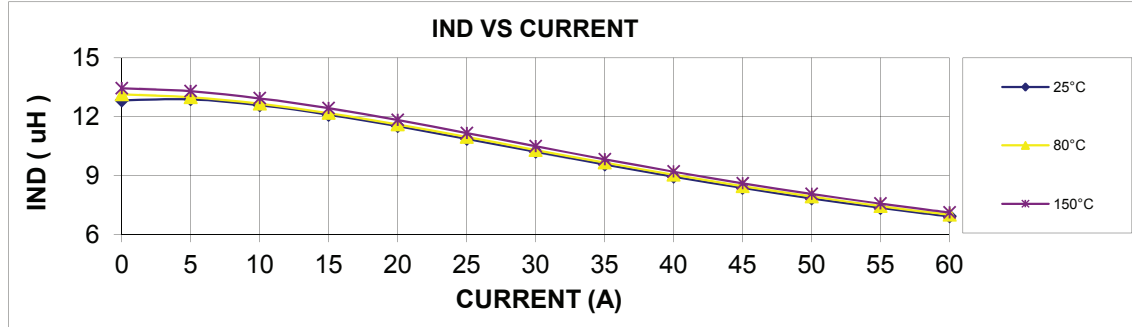
HA55-3023115LF



HA55-2223070LF



HA55-3023130LF



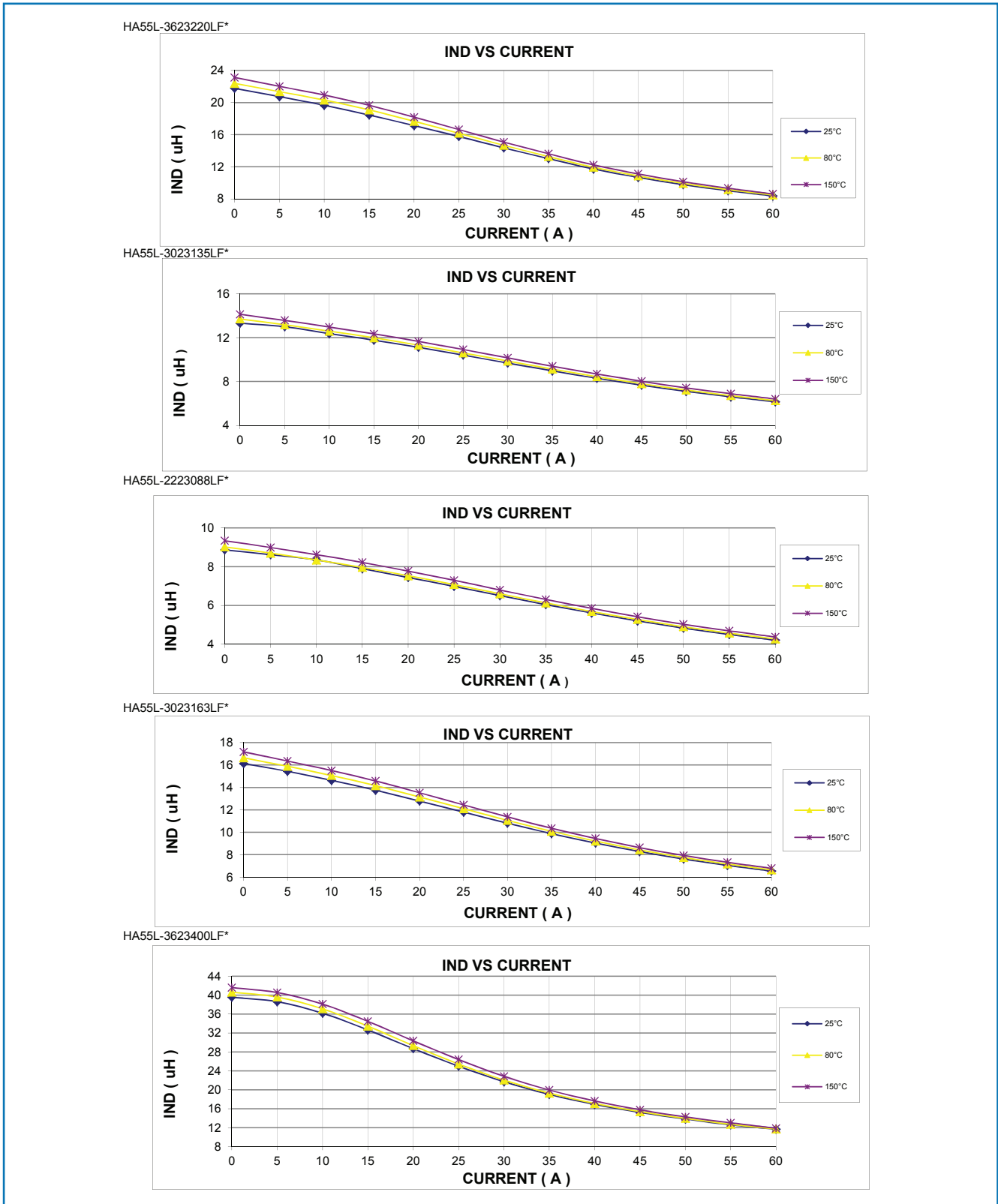
We reserve the right to change a without prior

General Note

TT Electronics reserves the right to make changes in product a without or liability. All informa is subject to TT Electronics' own data and is considered accurate at of going to print.

MODEL HA55

Electrical Characteristics



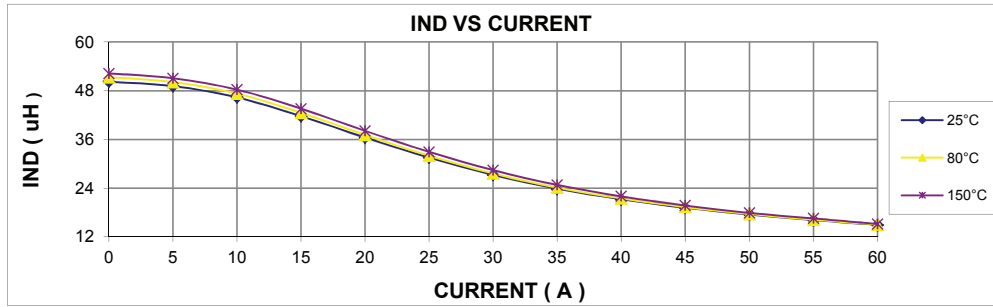
General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

MODEL HA55

Electrical Characteristics

HA55L-4523500LF*



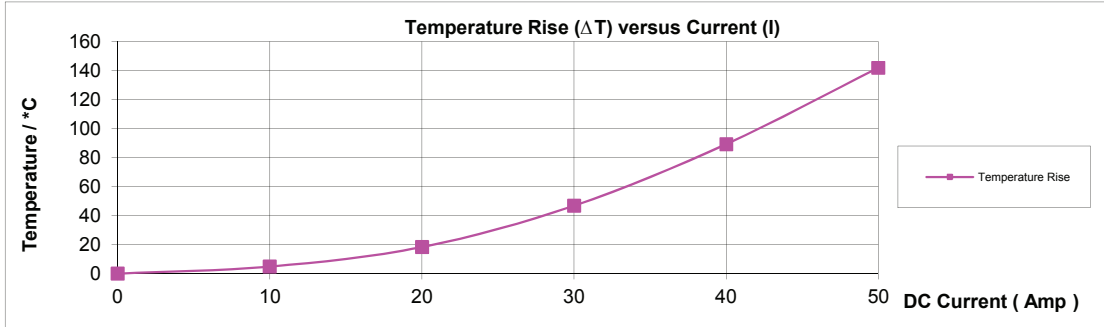
General Note

TT Electronics reserves the right to make changes in product specification without notice or liability.
All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

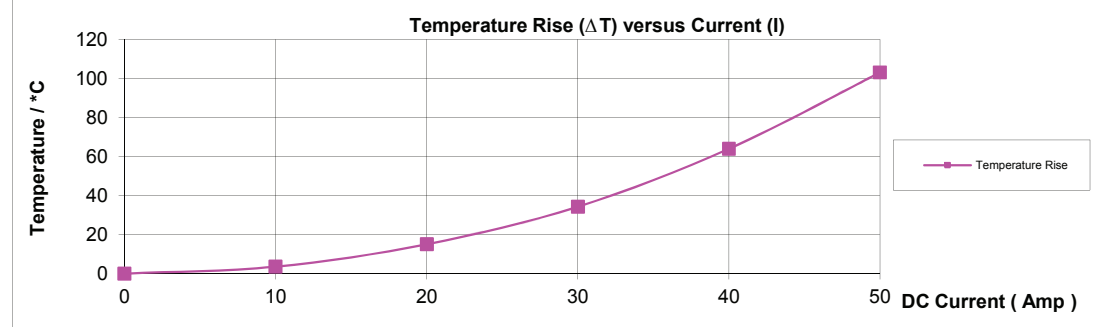
MODEL HA55

Electrical Characteristics

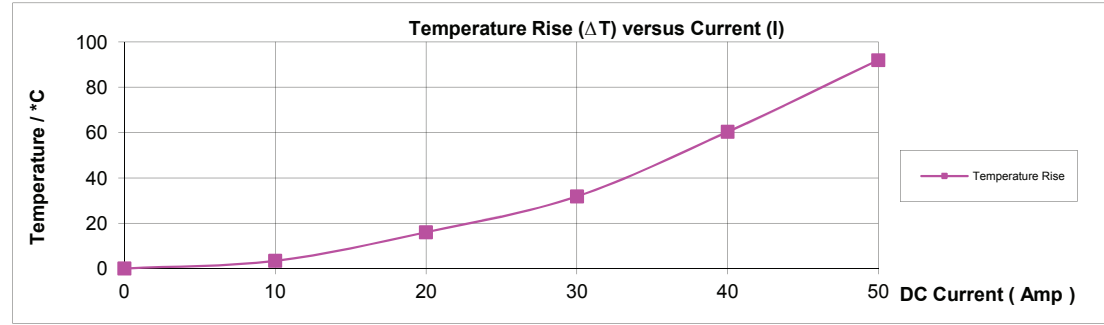
HA55-3623200LF



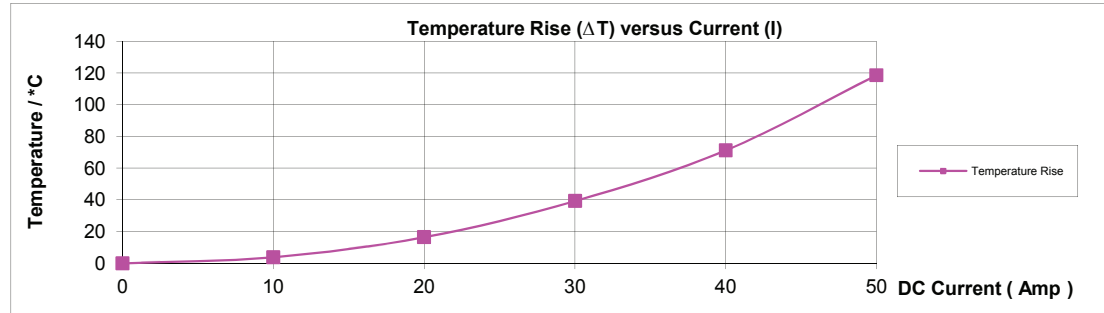
HA55-3023115LF



HA55-2223070LF



HA55-3023130LF



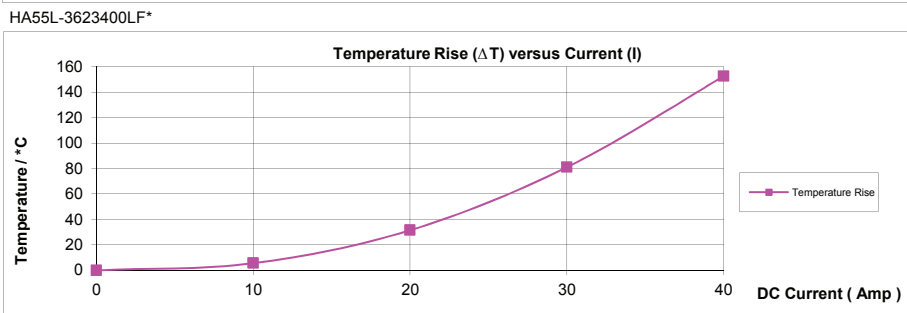
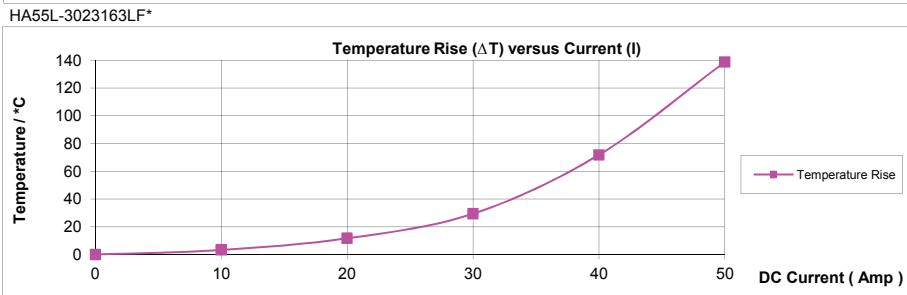
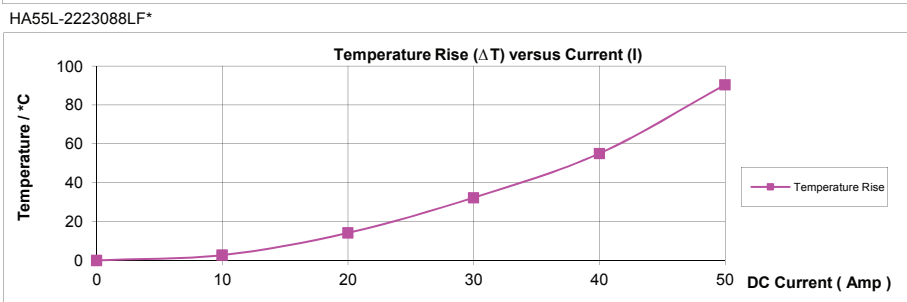
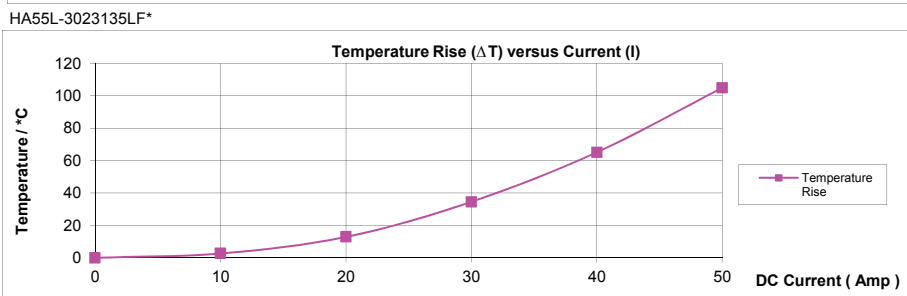
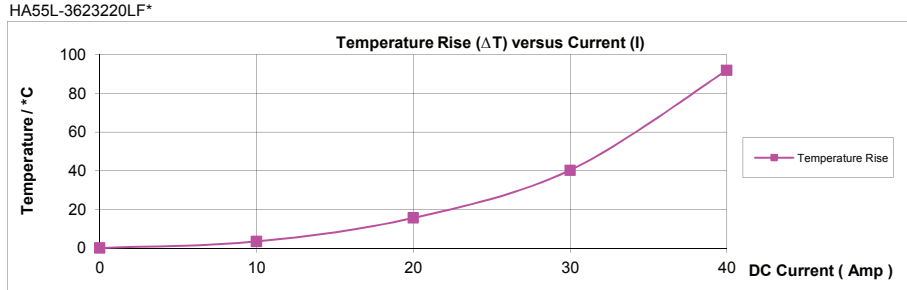
We reserve the right to change specifications without prior notice.

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

MODEL HA55

Electrical Characteristics



We reserve the right to change specifications without prior notice.

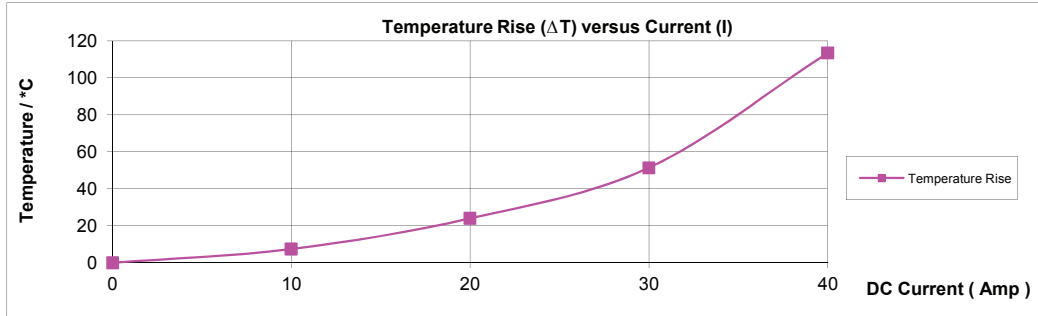
General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

MODEL HA55

Electrical Characteristics

HA55L-4523500LF*



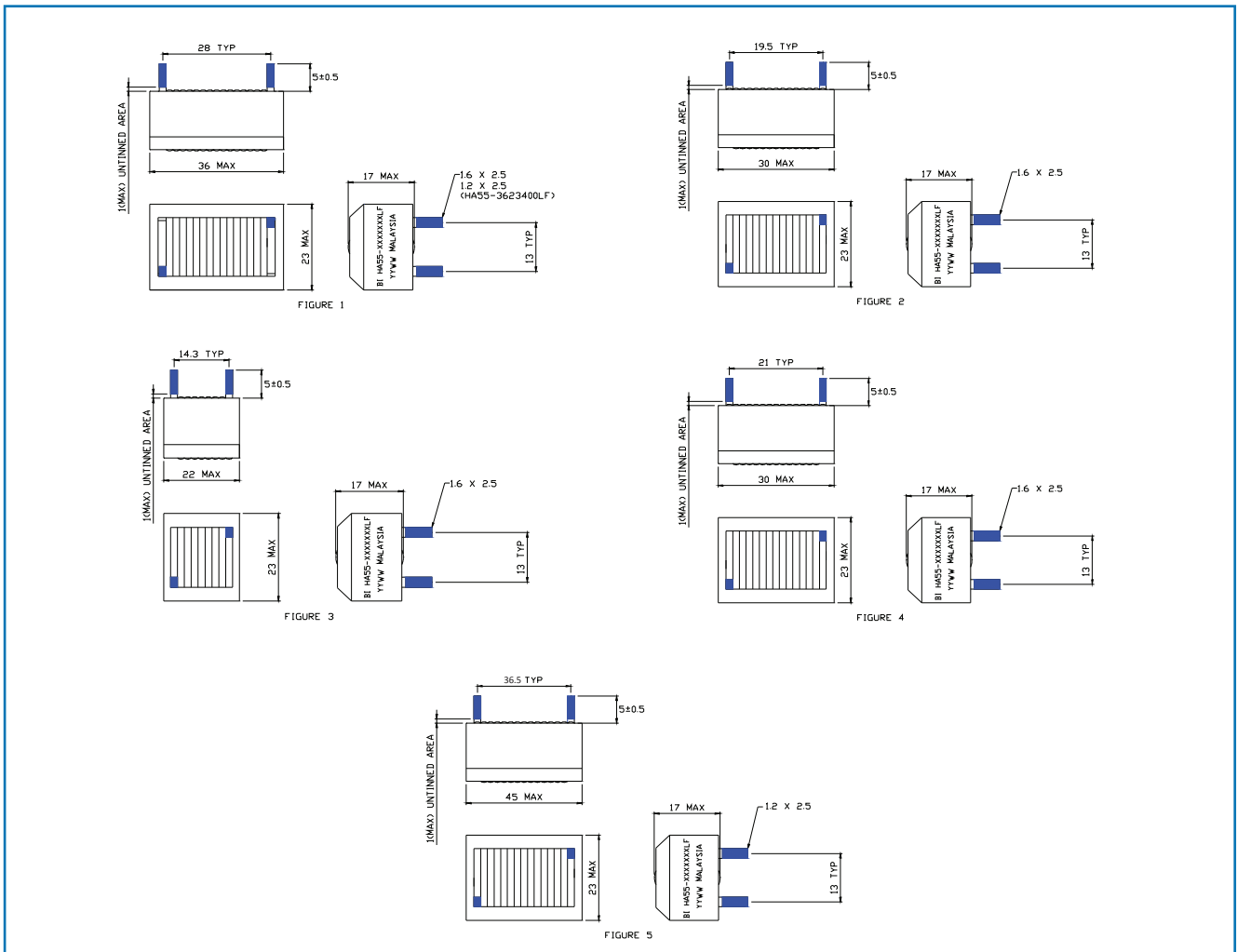
We reserve the right to change specifications without prior notice.

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

MODEL HA55

Mechanical Outline (mm)

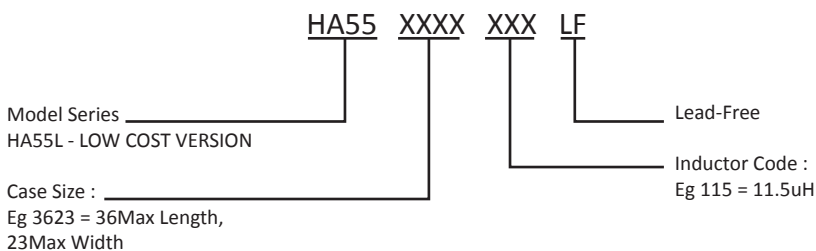


Packaging

(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



General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TT Electronics:

[HA55-2223070LF](#) [HA55-3023115LF](#) [HA55-3023130LF](#) [HA55-3623200LF](#) [HA55L-2223883LF](#) [HA55L-3023135LF](#)
[HA55L-3023163LF](#) [HA55L-3623220LF](#) [HA55L-3623400LF](#) [HA55L-2223088LF](#) [HA55L-4523500LF](#)