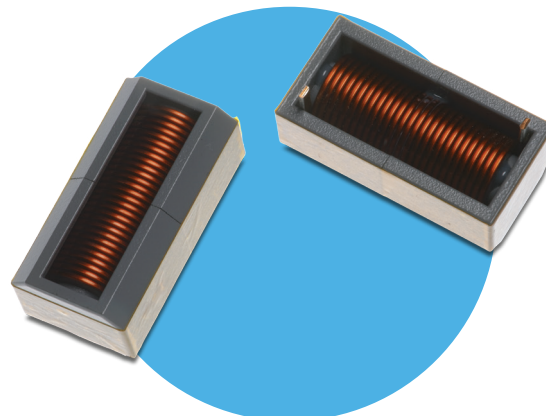


# Power Inductor

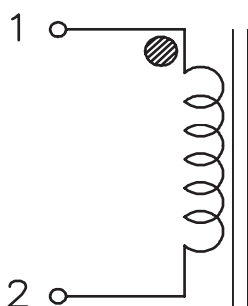
## Model HA55

- 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 Certified



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

## Electrical Schematic



## Specifications @ 25°C

| Part Number      | Inductance<br>100kHz, 100mV<br>(μH) TYP | @Rated Current<br>Inductance<br>100kHz, 100mV<br>(μH) TYP | I <sub>rated</sub><br>Rated<br>Current (A) | I <sub>sat</sub><br>Saturation<br>Current (A) | DC Resistance |           | SRF<br>MHz<br>Type | Figure |
|------------------|-----------------------------------------|-----------------------------------------------------------|--------------------------------------------|-----------------------------------------------|---------------|-----------|--------------------|--------|
|                  |                                         |                                                           |                                            |                                               | mΩ<br>Typ     | mΩ<br>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<sub>dc</sub>.

(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

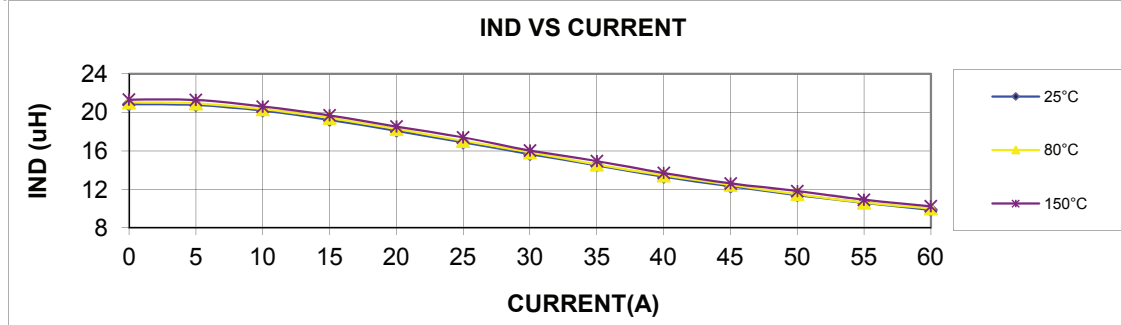
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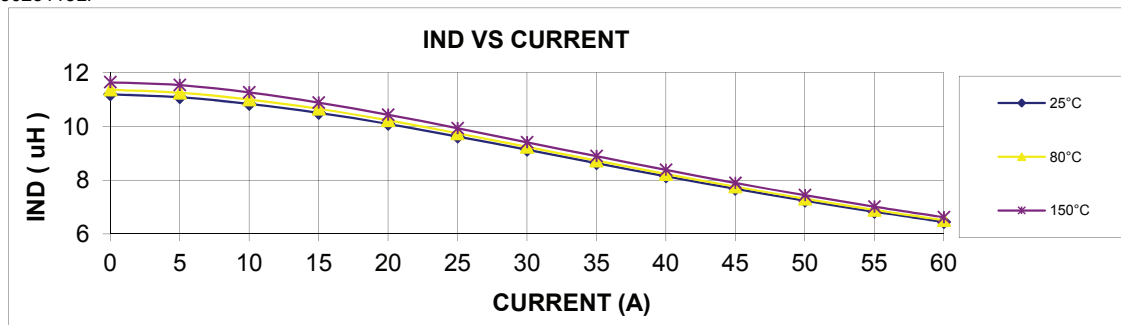
## MODEL HA55

## Electrical Characteristics

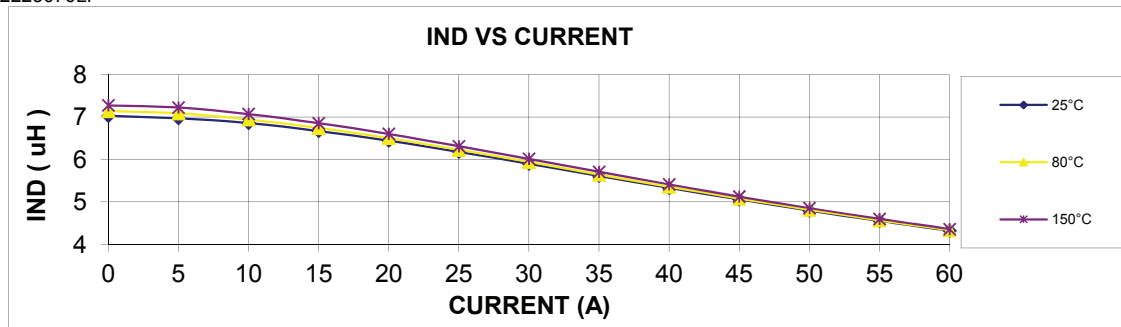
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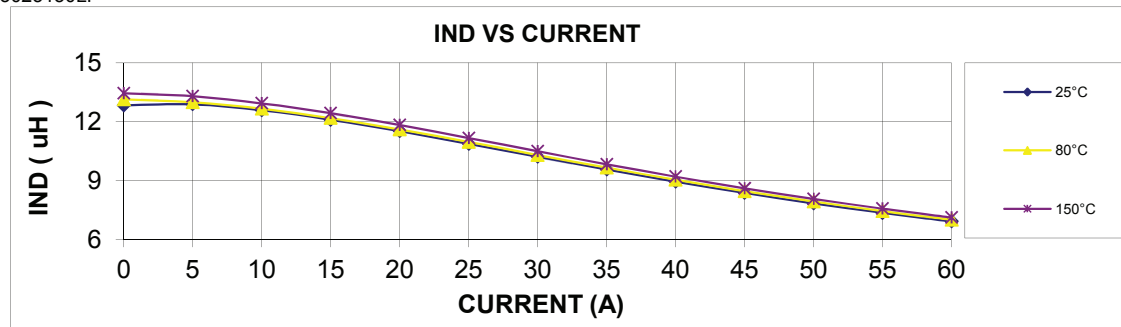
HA55-3023115LF



HA55-2223070LF



HA55-3023130LF



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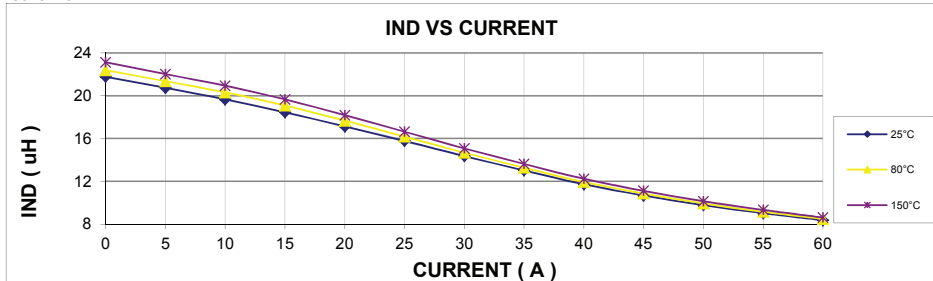
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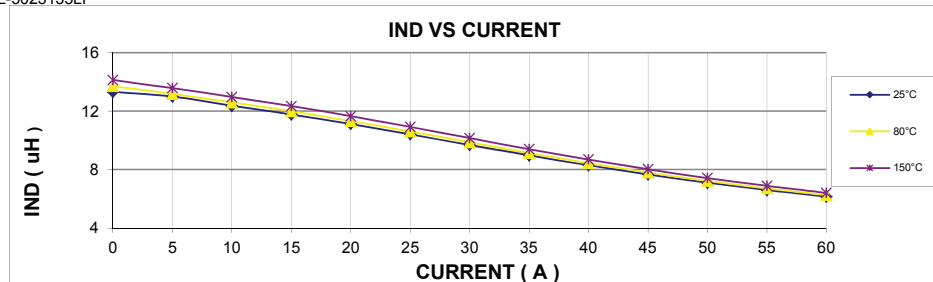
**MODEL HA55**

## Electrical Characteristics

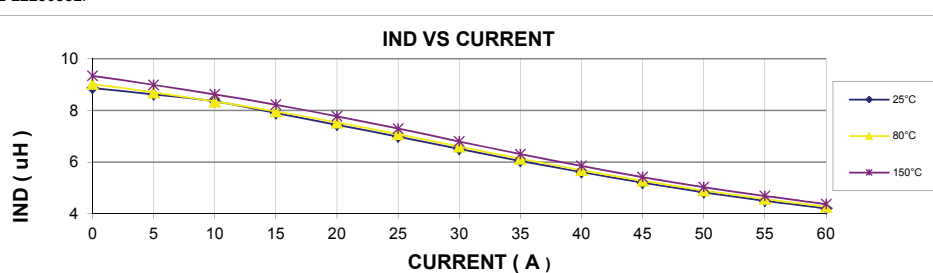
HA55L-3623220LF\*



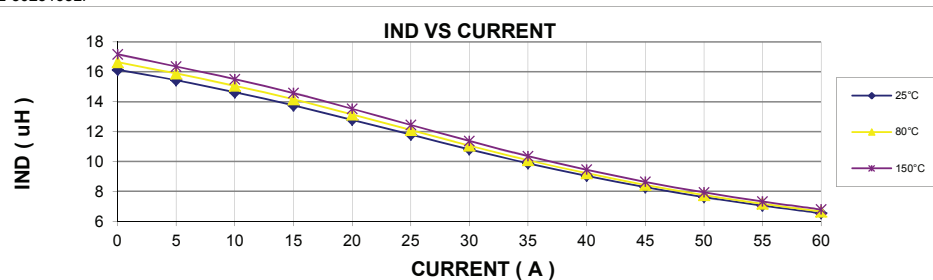
HA55L-3023135LF\*



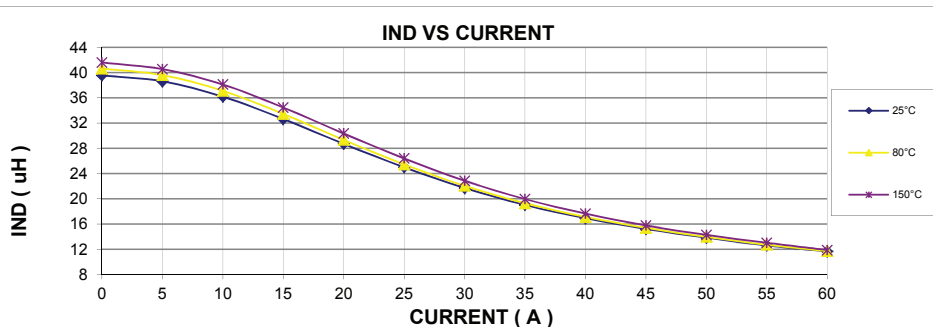
HA55L-2223088LF\*



HA55L-3023163LF\*



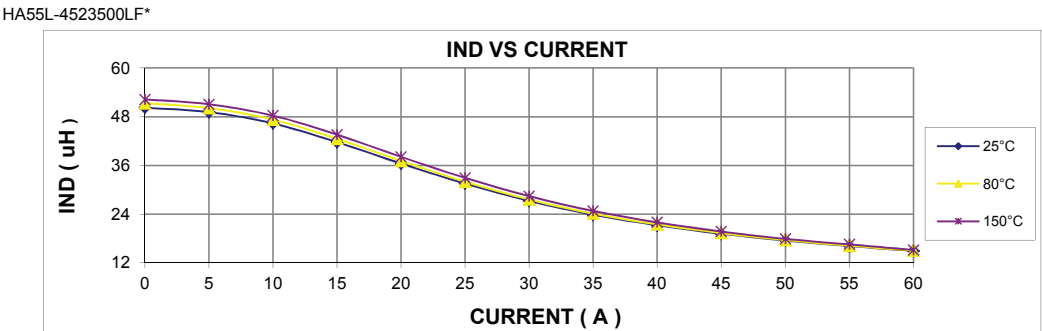
HA55L-3623400LF\*

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MODEL HA55

Electrical Characteristics



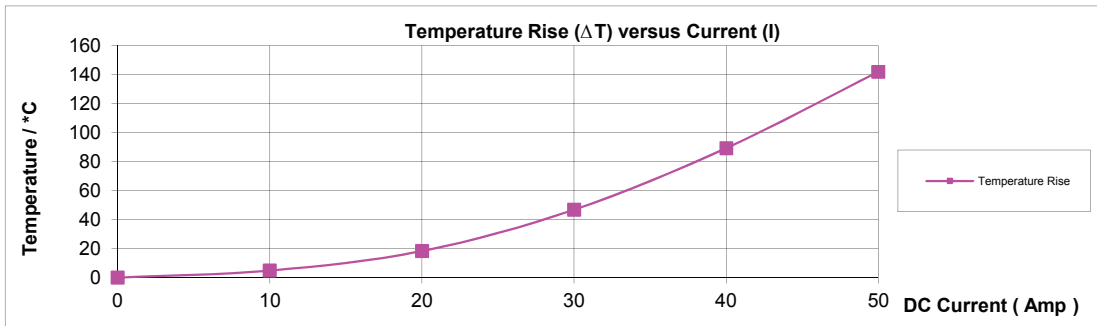
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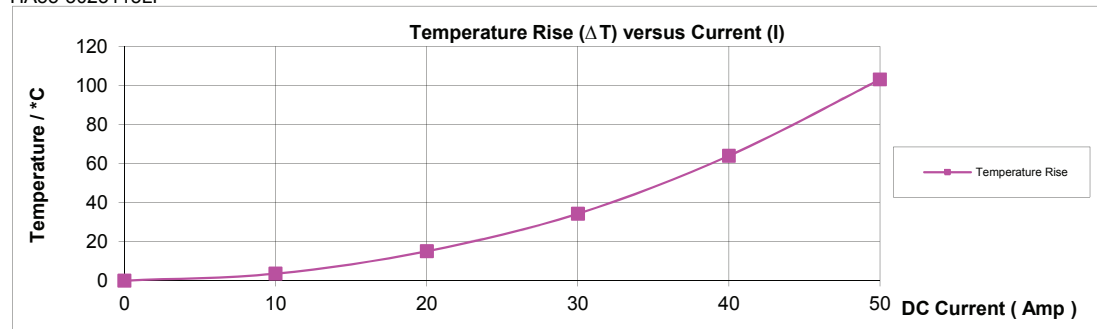
## MODEL HA55

## Electrical Characteristics

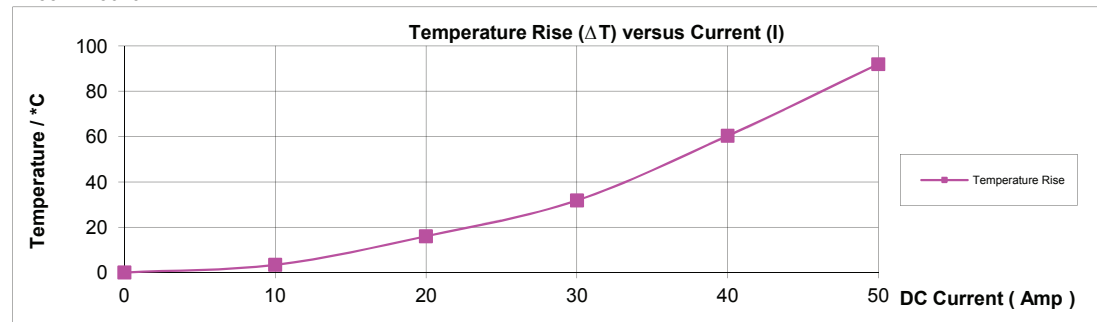
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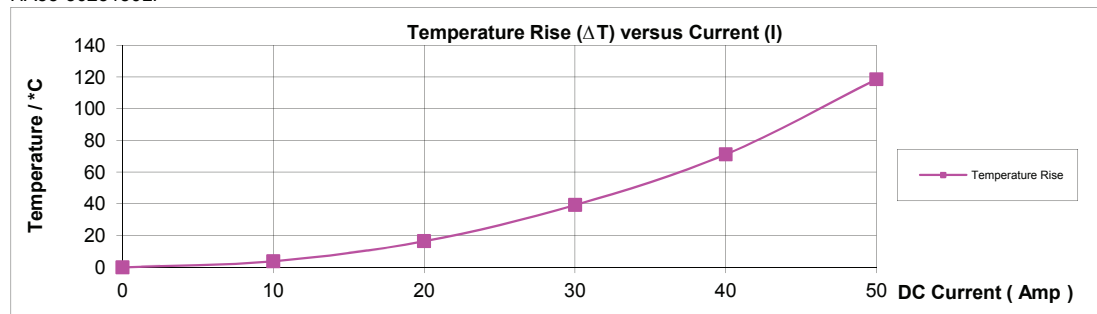
HA55-3023115LF



HA55-2223070LF



HA55-3023130LF



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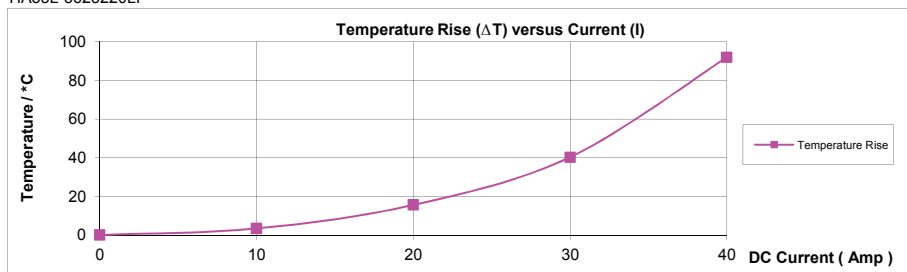
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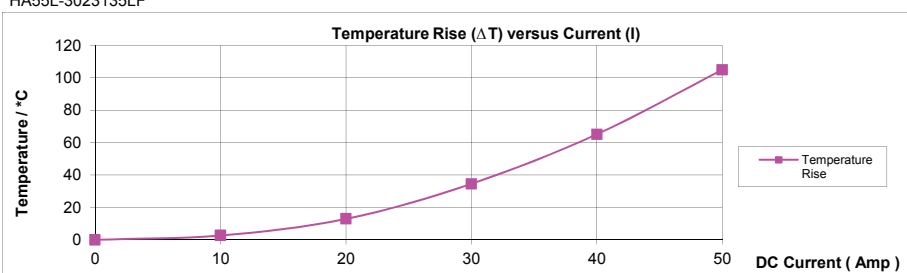
## MODEL HA55

## Electrical Characteristics

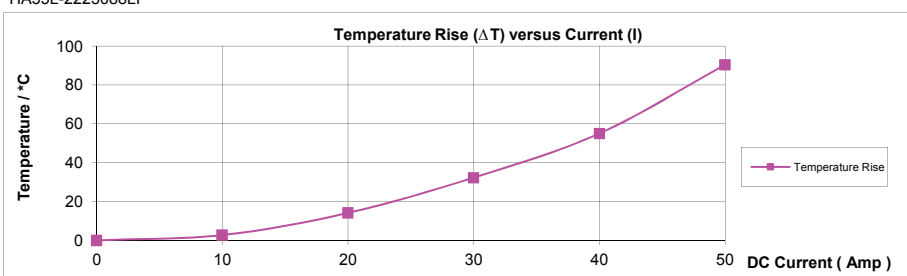
HA55L-3623220LF\*



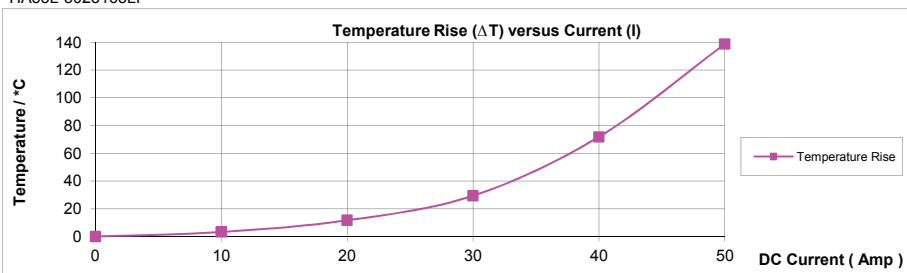
HA55L-3023135LF\*



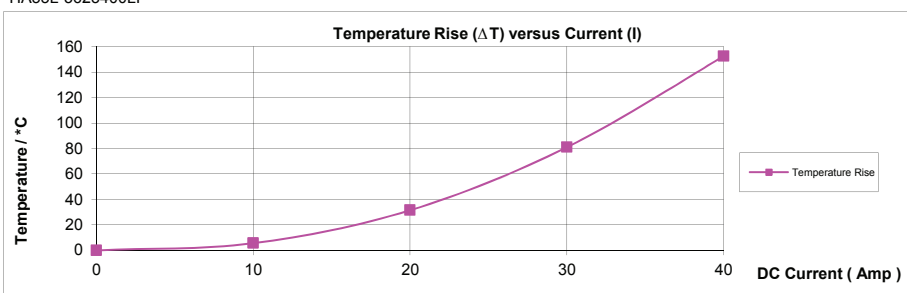
HA55L-2223088LF\*



HA55L-3023163LF\*



HA55L-3623400LF\*



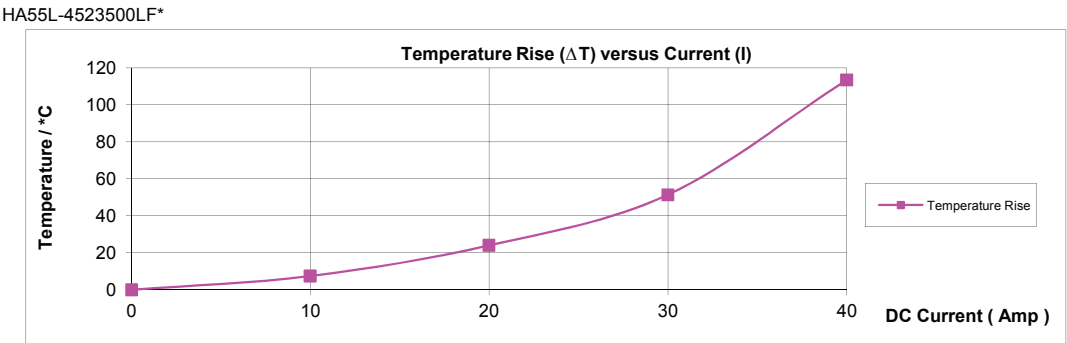
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MODEL HA55

Electrical Characteristics



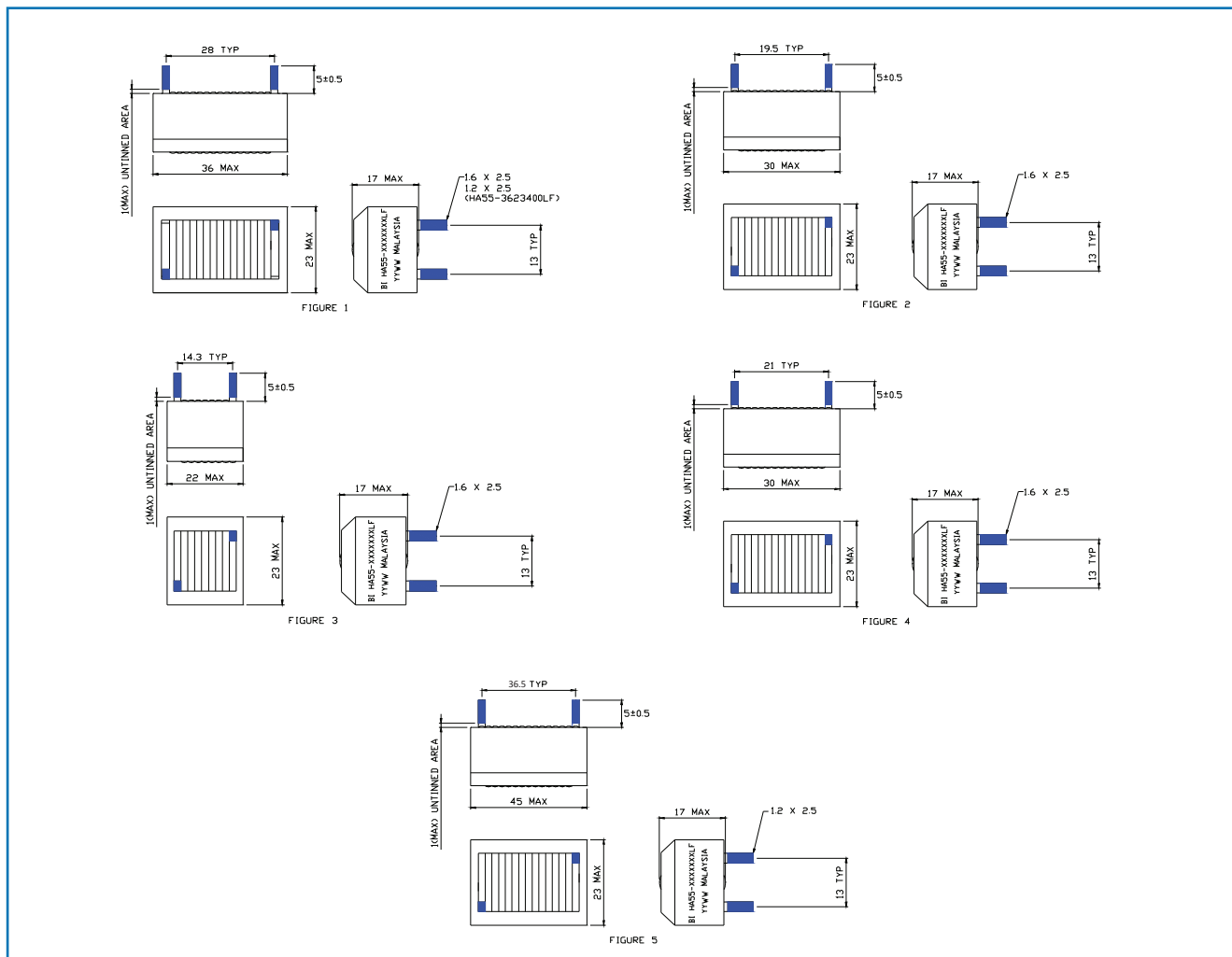
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**MODEL HA55**

## Mechanical Outline (mm)

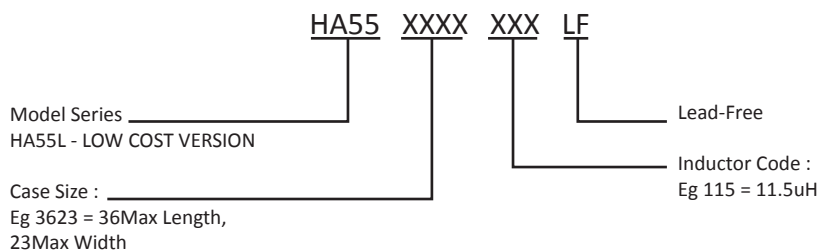


## Packaging

(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



## General Note

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- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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## JONHON

«JONHON» (основан в 1970 г.)

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(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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