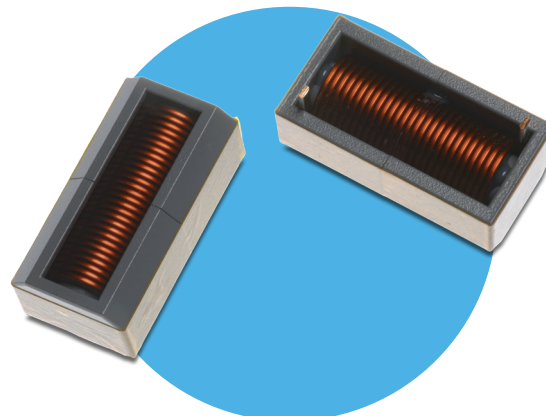


Power Inductor

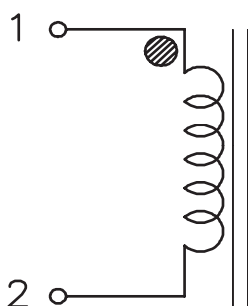
Model HA55

- 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 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

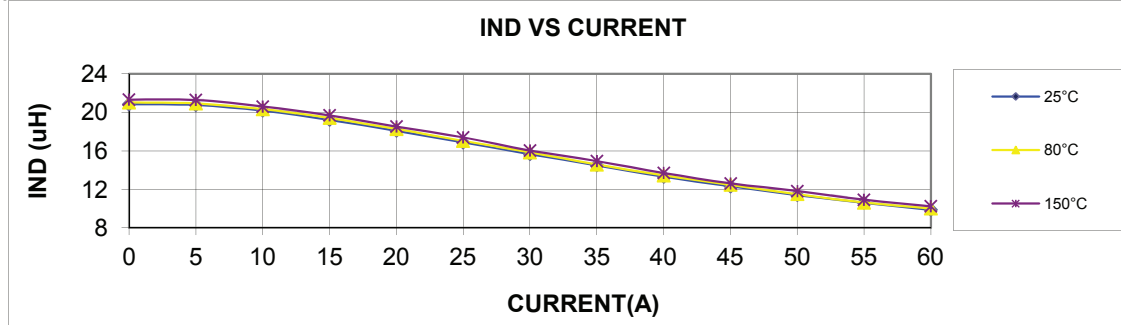
TT Electronics reserves the right to make changes in product specification without notice or liability.

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

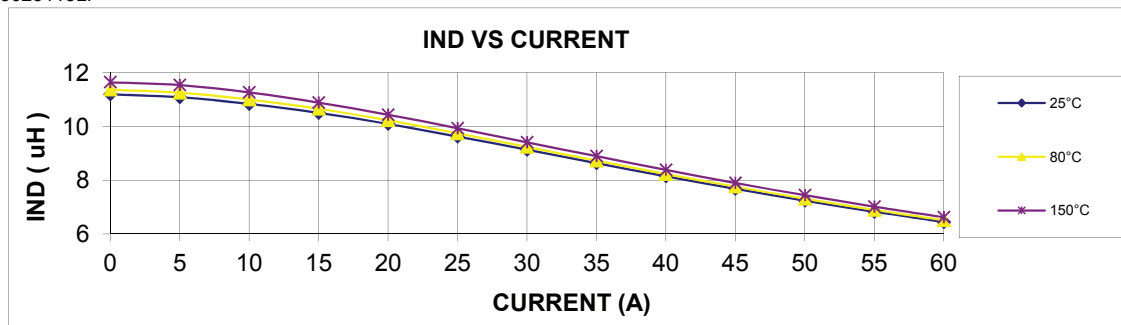
MODEL HA55

Electrical Characteristics

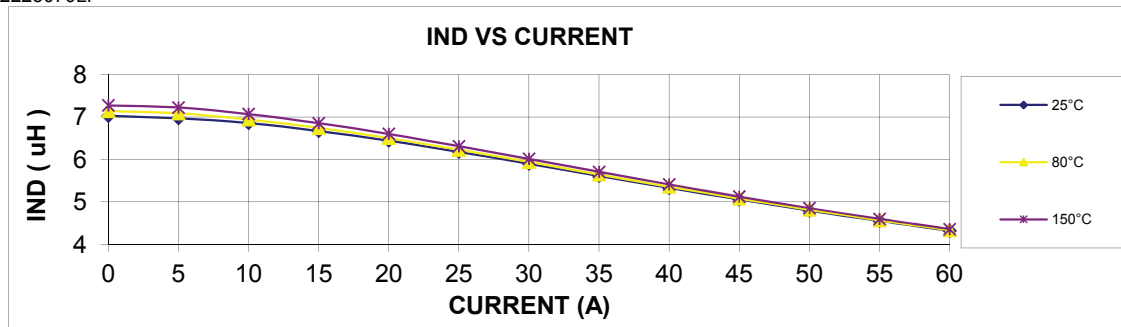
HA55-3623200LF



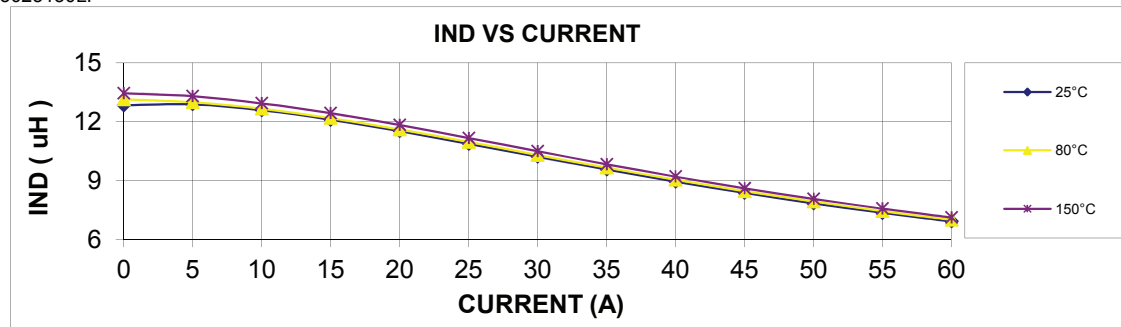
HA55-3023115LF



HA55-2223070LF



HA55-3023130LF



We reserve the right to change specifications without prior notice

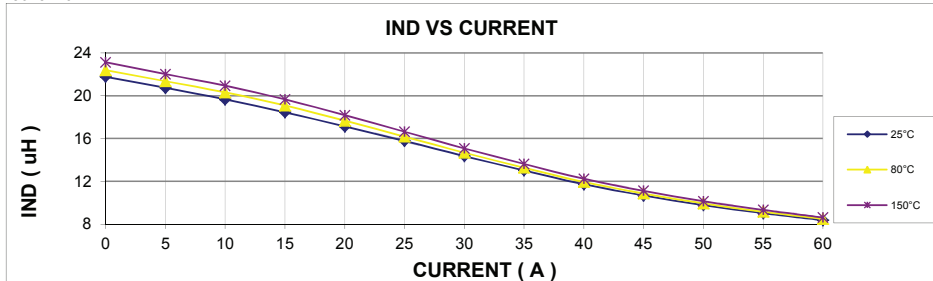
General Note

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.

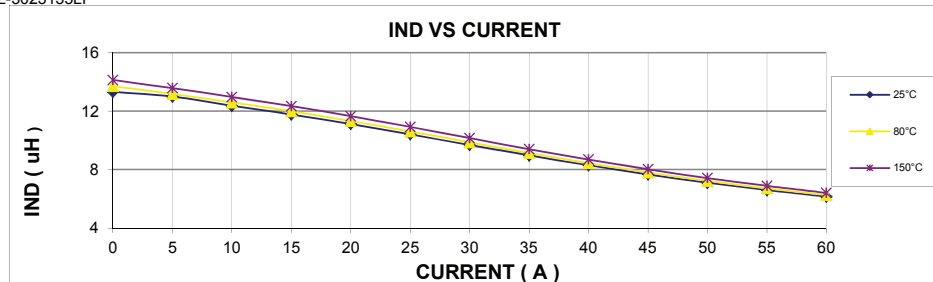
MODEL HA55

Electrical Characteristics

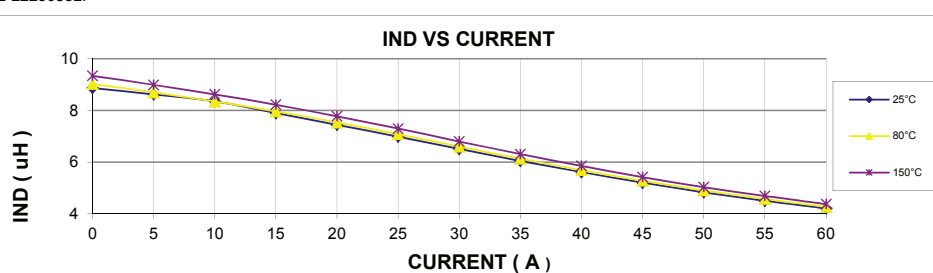
HA55L-3623220LF*



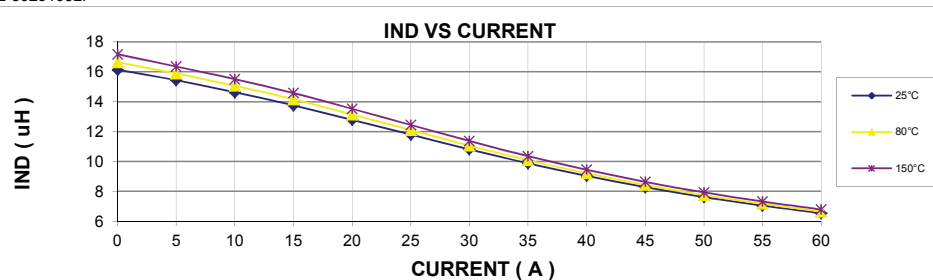
HA55L-3023135LF*



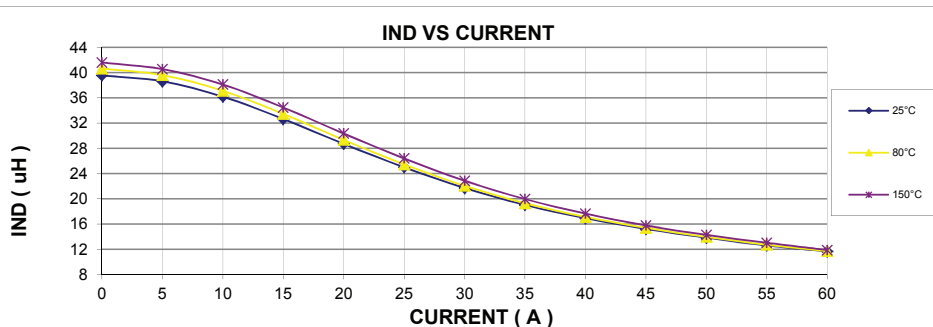
HA55L-2223088LF*



HA55L-3023163LF*



HA55L-3623400LF*

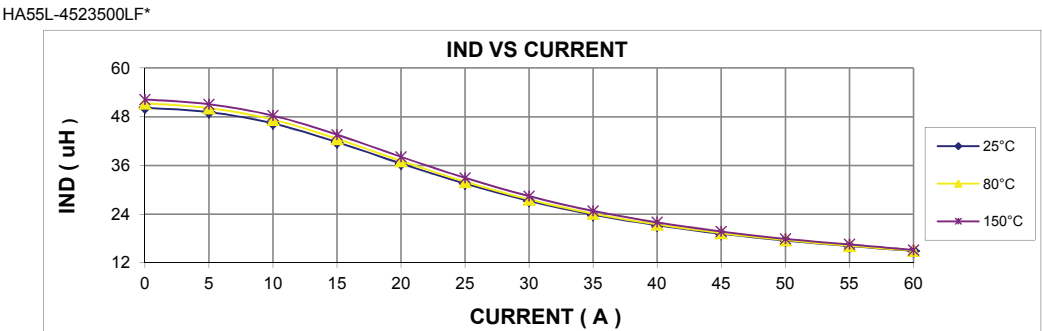


General Note

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



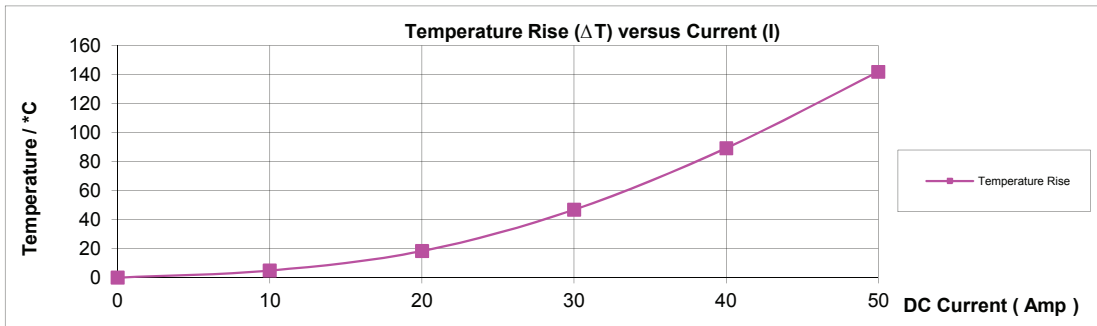
General Note

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.

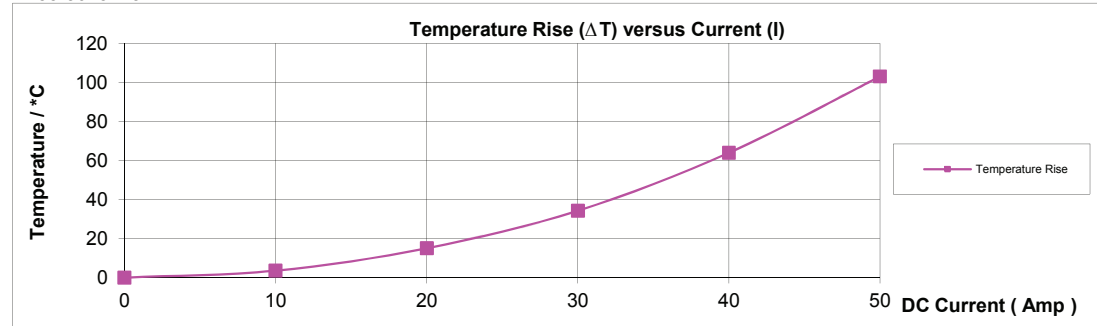
MODEL HA55

Electrical Characteristics

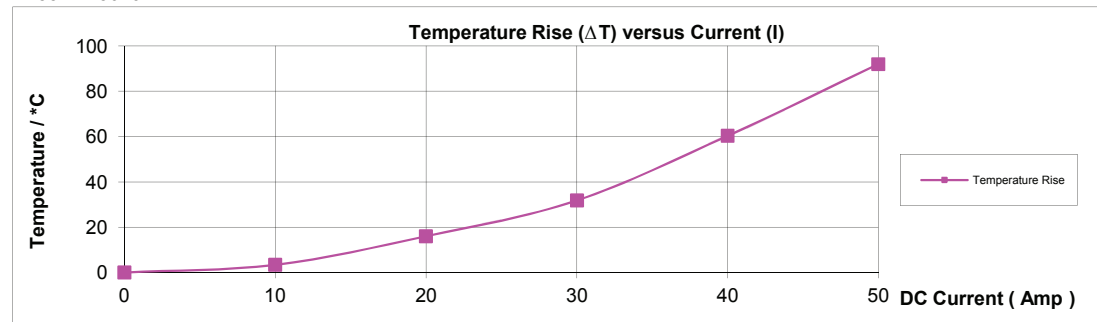
HA55-3623200LF



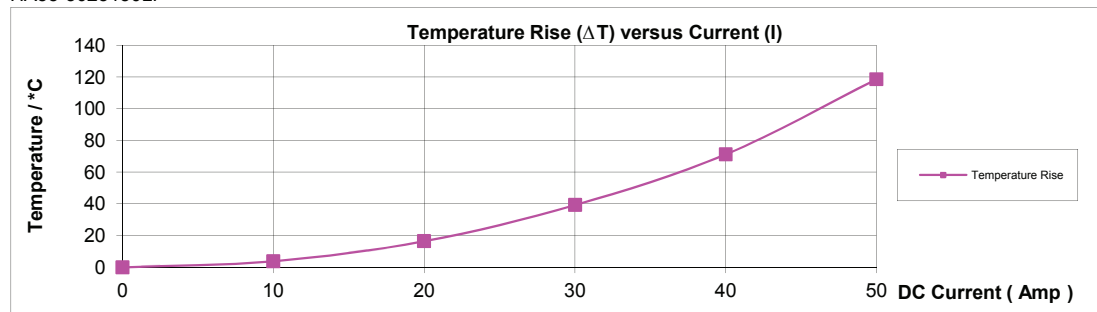
HA55-3023115LF



HA55-2223070LF



HA55-3023130LF



We reserve the right to change specifications without prior notice.

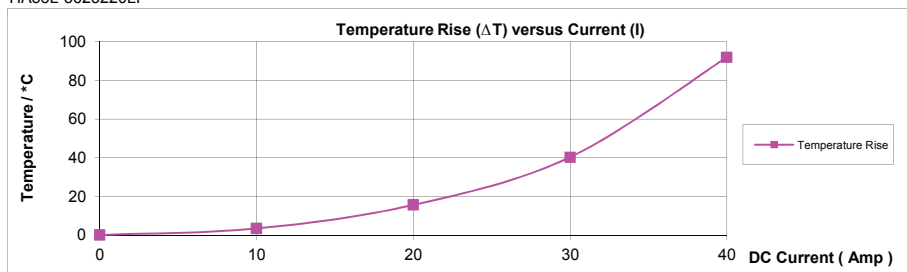
General Note

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.

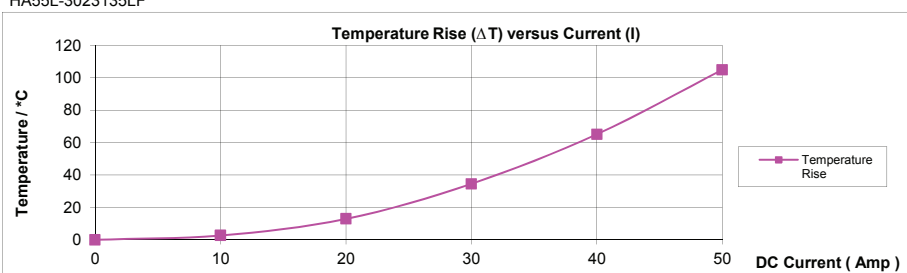
MODEL HA55

Electrical Characteristics

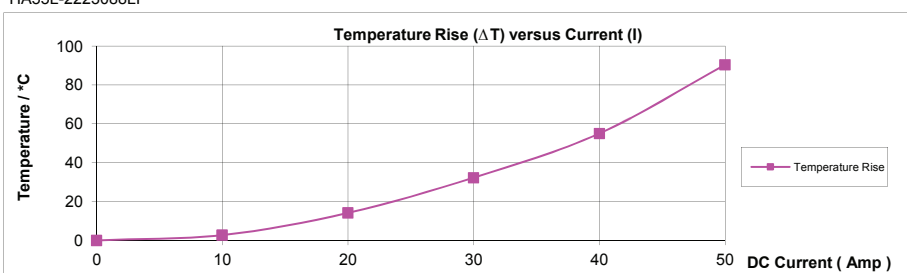
HA55L-3623220LF*



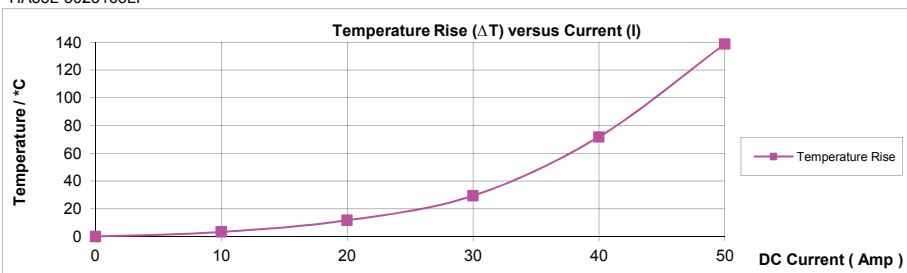
HA55L-3023135LF*



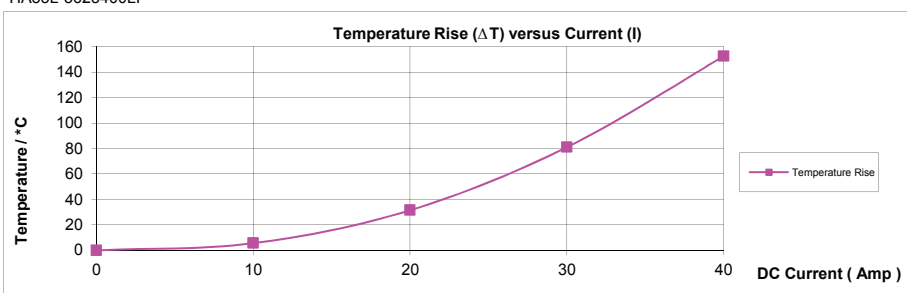
HA55L-2223088LF*



HA55L-3023163LF*



HA55L-3623400LF*



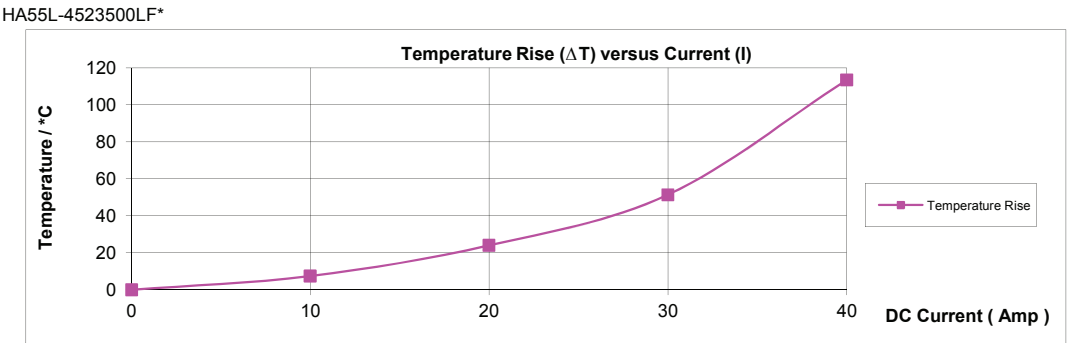
We reserve the right to change specifications without prior notice.

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



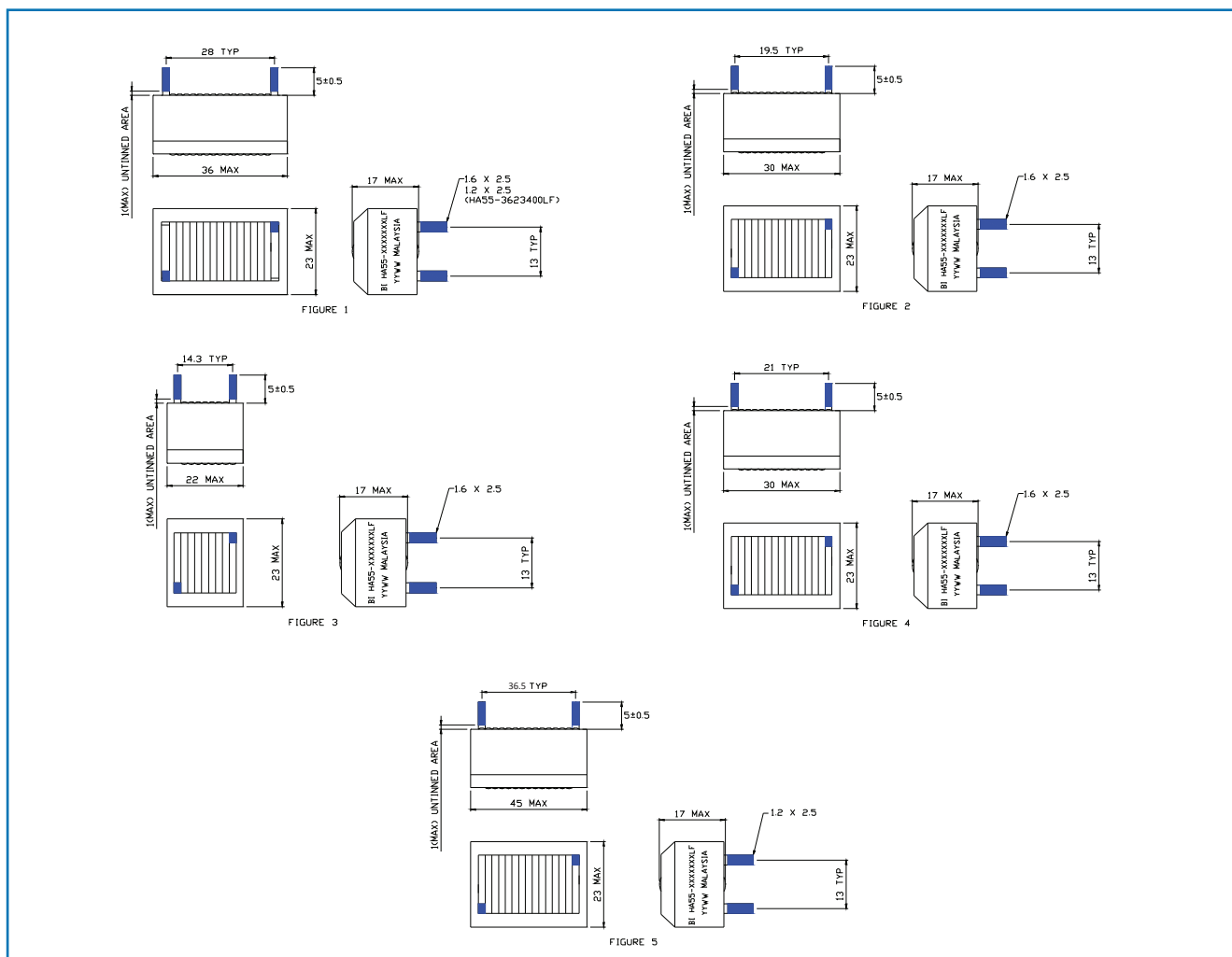
We reserve the right to change specifications without prior notice.

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

Mechanical Outline (mm)

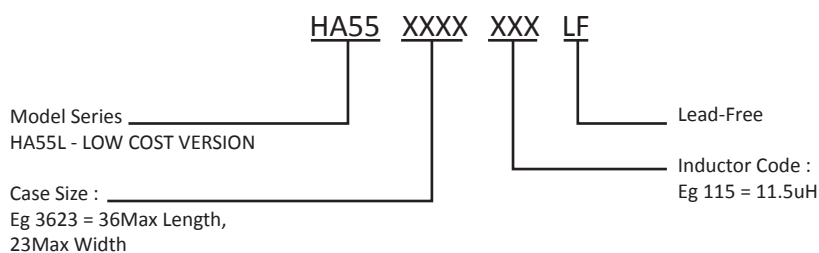


Packaging

(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.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.