



深圳市佑驰电子有限公司

Specification for Approval

产品名称: 一体系列电感

规格型号: HCMA-0640-1R5-M

产品编号: _____

日期: 2026-04-10

- 1、本承诺书的内容更改需经过双方确认，任一方单独的修改均视为无效。
- 2、本承诺书在送达客户后，请给予承认并即签回，如无签回下订单的，我司有权以此承诺书标准生产，并表示购买方默认许可。

核准	审核	制作
	Aaron	Ada

High Current, Power Inductors

HCMA-0640-1R5-M Power Choke



Description

- Halogen Free
- 125 °C maximum total temperature operation
- Powder iron core material
- Magnetically shielded, low EMI
- High current carrying capacity, Low core losses
- Frequency range up to 5 MHz
- RoHS compliant

Applications

- Voltage Regulator Module (VRM)
- Multi-phase regulators
- Point-of-load modules
- Smart phone POL modules
- SSD modules
- Notebook regulators
- Battery power systems
- Graphics cards
- Data networking and storage systems

Environmental Data

- Storage temperature range: -55 °C to +125 °C
- Operating temperature range: -55 °C to +125 °C (ambient plus self-temperature rise)
- Solder reflow temperature: J-STD-020 D compliant

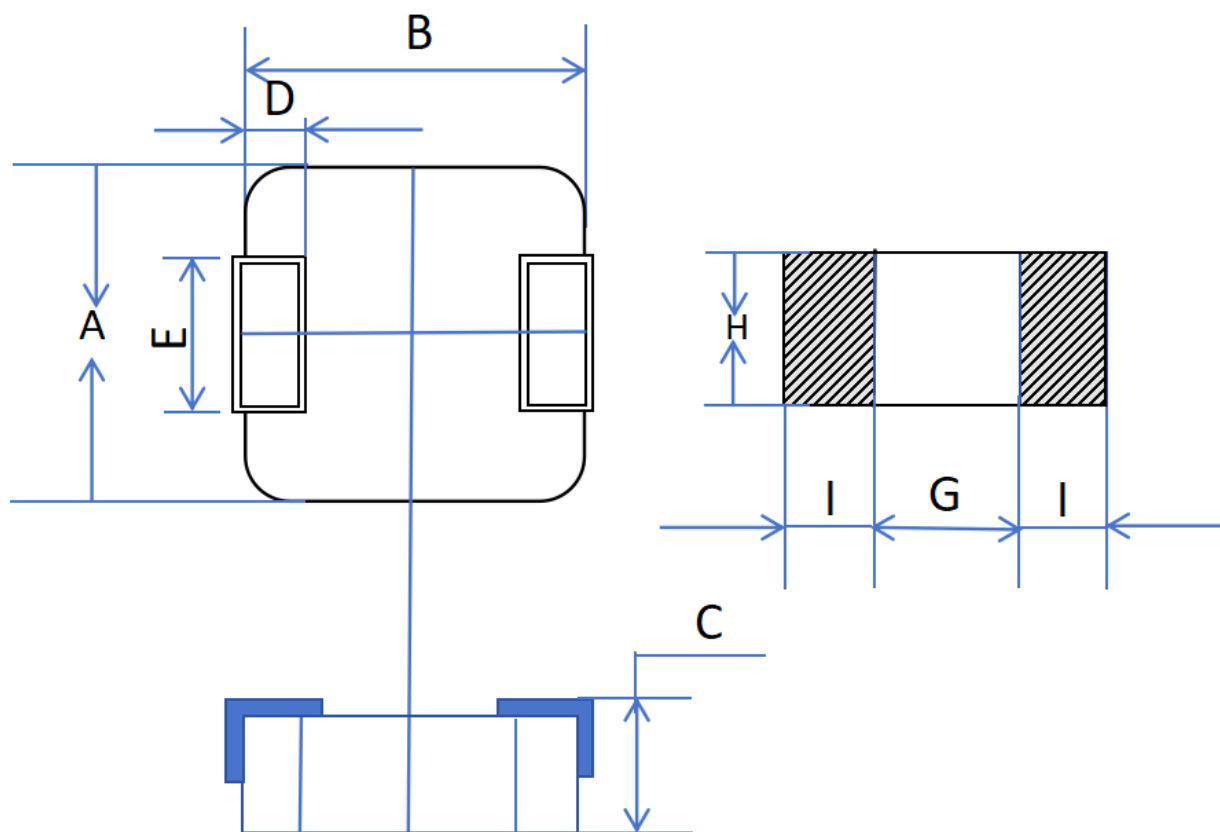
Description												
HCMA-0640-1R5-M				1.5μH				±20 %				
Model				Inductance Value				Inductance Tolerance				
				Global Part Number								
H	C	M	A	0	6	4	0	1	R	5	M	
Product Series				Dimensions				Inductance Value			Tol.	

Part Number	L0 Inductance (μ H)	Irms(A) TYP	Isat(A) TYP	DCR m Ω	
				TYP	MAX
HCMA-0640-1R5-M	1.5 μ H $\pm$ 20%	11.0	15.0	8.3	9.7

Notes

1. All test data is referenced to 25 °C ambient
2. Operating temperature range - 55 °C to + 125 °C
3. Idc(A) :DC current (A) that will cause an approximate ΔT of 40 °C(reference ambient temperature is 25°C)
- 4 . Isat(A) : DC current (A) that will cause L0 to drop approximately 30 %
- 5 . The part temperature (ambient + temp rise) should not exceed 125 °C under worst case operating conditions.
Circuit design , component placement , PWB trace size and thickness , airflow and other cooling provisions all affect the part temperature . Part temperature should be verified in the end applicat

•Dimensions-mm



A:	6.6±0.2	B:	7.5MAX	C:	4.0MAX
D:	1.5±0.5	E:	3.0±0.2	G:	3.7Ref
H:	3.5Ref	I:	2.35Ref		