



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-0630K-R15-M
产品编号:
日期: 2020-08-15

1、本承认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、本承认书在送达客户后，请给予承认并即签回，如无签回下订单的，我司有权以此承认书标准生产，并表示购买方默认许可。

	审核	制作

批准	申核	检验



REVISION					
REV	DESCRIPTION	DATE	DESIGNED	CHECKED	APPROVED
A0	文件建立	2020/08/15	吕秀秀	Bowen	Darren

High Current, Power Inductors HCMA-0630K-R15-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 complian

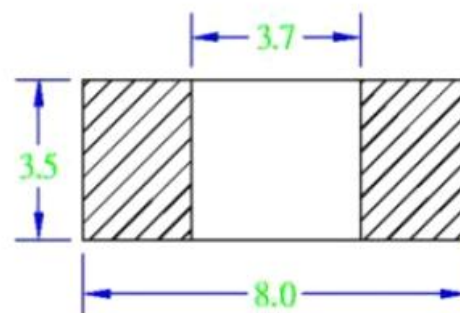
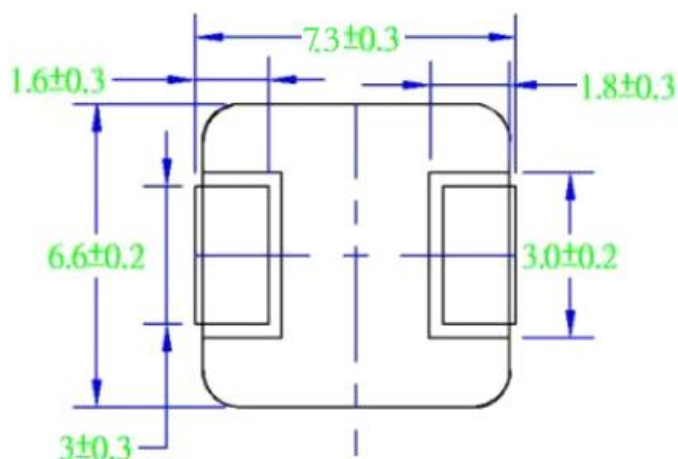
Description												
HCMA-0630K-R15-				0.15μH				±20 %				
M Model				Inductance Value				Inductance Tolerance				
Global Part Number												
H	C	M	A	0	6	3	0	K	R	1	5	M
Product Series				Dimensions				shape	Inductance Value		Tol.	

Part Number	Inductance	DC Resistance		HeatingRatingCurrent	Saturation Current
	L0 (μH)	DCR (mΩ)		Idc (A)	Isat (A)
	±20 %, 1MHz, 0. 1V	Typ	Max	Typ	Typ
HCMA-0630K-R15-M	0.15	0.9±5%		38.0	45.0

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



Recommend Land Pattern Dimensions

