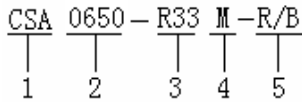


CSA0650 Series

产品标示 Product indication



- (1) 产品类型: CSA系列
- (2) 外观尺寸: 06表示宽6.6mm 50表示高5.0mm
- (3) 电气特性表示: R33表示0.33uH
- (4) 允许公差: M表示±20%
- (5) 包装方式: R表示载带盘装; B表示袋装

- (1) Product Type CSA series
- (2) External dimensions: 06 for width 6.6mm 50 for Height 5.0mm
- (3) Electrical code: R33 for 0.33uH
- (4) Tolerance: M for ±20%
- (5) Packing style: R for carrier tape reel; B for in bulk

特性及应用

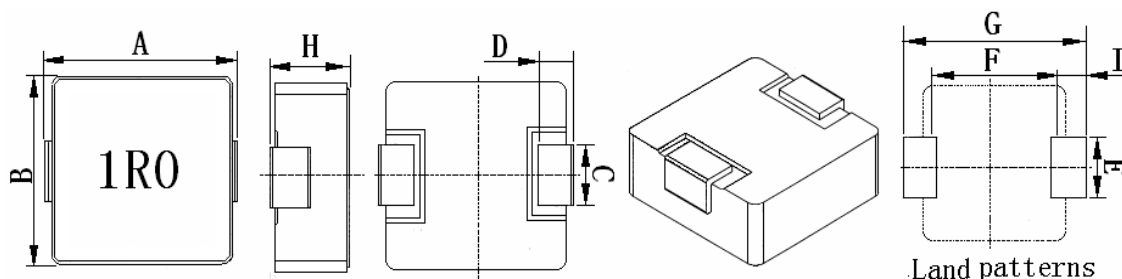
Features/applications

- SMD表面贴片式电感
- 一体成型结构可避免发生噪音
- 同尺寸直流阻抗最低
- 可确保耐电流电感值降幅平顺。
- 应用频率可达5MHz
- 适用于回流焊SMT工艺。
- 产品无铅,符合RoHS指令。
- 适用于电源供应器、个人电脑和其它掌上型电子设备中电源线路上直流对直流整流的应用。

- SMD Power inductor
- Ultra low buzz noise, due to composite construction.
- Lowest DCR/uH, in this package size.
- Handles high transient current spikes without saturation.
- Frequency up to 5MHz
- Suitable for SMT craft reflow soldering.
- Lead free products, RoHS compliant.
- Excellent for power line DC-Dc conversion applications used in power switching, personal computers and other handheld electronic equipment.

外形尺寸

Shape and dimensions



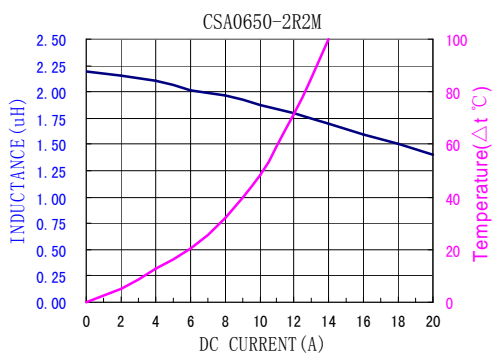
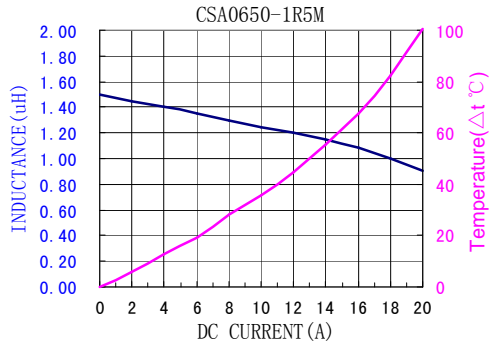
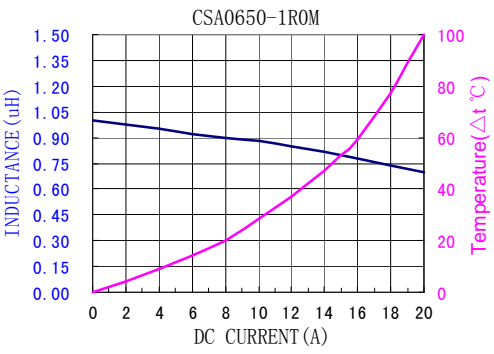
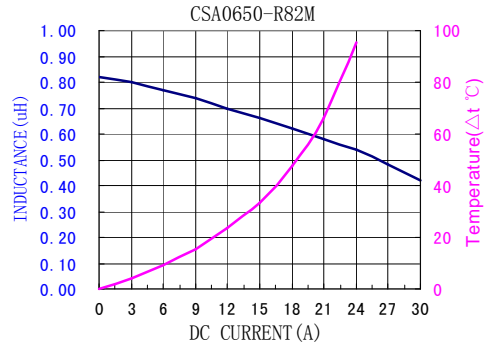
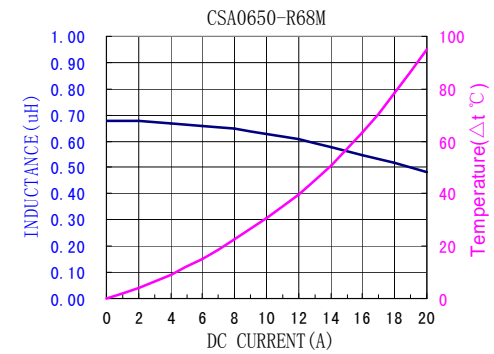
CSA0630 Series Size (Unit:mm)									
Series	A (Max)	B (±0.2)	H (Max)	C (±0.5)	D (±0.3)	E	F	I	G
CSA0618	7.30	6.6	1.8	3.0	1.6	3.5	3.7	2.5	8.4
CSA0624	7.30	6.6	2.4	3.0	1.6	3.5	3.7	2.5	8.4
CSA0630	7.30	6.6	3.0	3.0	1.6	3.5	3.7	2.5	8.4
CSA0650	7.30	6.6	5.0	3.0	1.6	3.5	3.7	2.5	8.4

电气性能 Electrical Characteristics

产品编号 Part No.	电感值 Inductance L(μ H) \pm 20%	直流电阻DCResistance ($m\Omega$) Max	温升电流 Heat Rated Current (A) Max	饱和电流 Saturation current (A) Max	厚度 Thickness (mm) max
CSA0650-R68M	0.68	4.2	10.0	16.0	5.0
CSA0650-R82M	0.82	4.9	16.5	17.0	5.0
CSA0650-1R0M	1.00	6.5	13.0	15.0	5.0
CSA0650-1R5M	1.50	7.5	11.0	12.0	5.0
CSA0650-2R2M	2.20	12.5	8.0	12.0	5.0

- 1.Special inquiries besides the above common used types can meet.
- 2.Testing instrument:HP4286A or LCR Meter equivalent. Inductance testing condition:100KHz/0.1V
- 3.Heat rated current(Irms) will cause the coil temperature rise approximately $\Delta T=40^{\circ}C$ without core loss.
- 4.Saturation current(Isat)will cause L0 to drop approximately 20%
- 5.Operating TemperatureRange $-55^{\circ}C$ to $+125^{\circ}C$

电流特性曲线图 Current Characteristic Curves



Care note for Use

- 1.Storage Condition:
 - Temperature 25 to 35°C, Humidity 45 to 85% RH
- 2.Use temperature:
 - a. Minimum Temperature: $-55^{\circ}C$ Ambient temperature of power choke coil
 - b. Maximum temperature: $+125^{\circ}C$ The value of temperature including ambient of the transformer and temperature rise of power choke coil
3. There is not a problem from $-55^{\circ}C \sim +125^{\circ}C$ in a reliability test
4. However, this is not meant a temperature grade guarantee of UL

