

Lead Type High Current Power Inductors

Rod Core High Current Power Inductors HC Series (棒形鐵芯大電流功率電感-----HC 系列)



Features(特徵):

- 1, HC Series is available in 120 standard values covering a wide range of inductance and current. (HC系列有很寬的電感及電流範圍,包含近120個標準值可供選擇。)
- 2, The use of high saturation flux density material makes these coils ideal for use in switching regulated power supply application and wherever high current choke values in a small physical size are needed. (採用高飽和磁通密度材質制做,是開關穩壓電源及高電流要求的必用之產品。)

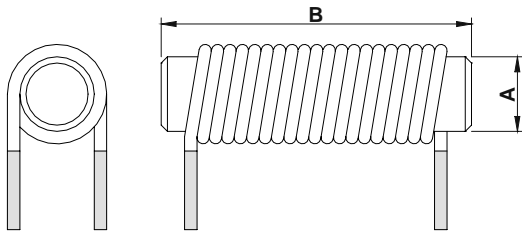
Applications(應用):

Excellent for power line DC-DC conversion applications used in Power switching, personal computers and other handheld electronic equipment.

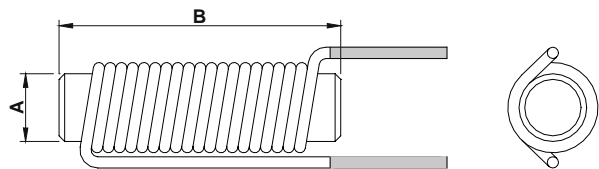
適合於電源供應器、個人電腦和其他掌上型電子設備中電源線路上直流對直流整流的應用。

Shape & Dimensions(外觀呎吋):

HCH Type:



HCV Type:



| Item | A | B | Item | A | B |
|--------|-----|------|--------|-----|------|
| HC0415 | 4.0 | 15.0 | HC0620 | 6.0 | 20.0 |
| HC0420 | 4.0 | 20.0 | HC0625 | 6.0 | 25.0 |
| HC0520 | 5.0 | 20.0 | HC0630 | 6.0 | 30.0 |
| HC0525 | 5.0 | 25.0 | HC0635 | 6.0 | 35.0 |
| HC0530 | 5.0 | 30.0 | HC0820 | 8.0 | 20.0 |
| HC0615 | 6.0 | 15.0 | HC0830 | 8.0 | 30.0 |

Unit: mm

Specification(規格):

| Part Number | Inductance (μ H) | Tolerance | Rated Current (Amp) | DC Resistance (m Ω) Max |
|-----------------|--------------------------|------------|------------------------|------------------------------------|
| HC0520-120M-2R3 | 12.0 | $\pm 20\%$ | 2.3 | 44.0 |
| HC0520-150M-1R9 | 15.0 | $\pm 20\%$ | 1.9 | 60.0 |
| HC0630-4R7M-160 | 4.7 | $\pm 20\%$ | 16.0 | 5.0 |
| HC0630-5R6M-160 | 5.6 | $\pm 20\%$ | 16.0 | 6.0 |
| HC0630-470K-1R9 | 47.0 | $\pm 10\%$ | 1.9 | 1.10 |
| HC0420-5R0M-3R0 | 5.0 | $\pm 20\%$ | 3.0 | 10.0 |
| HC0520-2R4M-120 | 2.4 | $\pm 20\%$ | 12.0 | 4.0 |
| HC0525-2R0M-140 | 2.0 | $\pm 20\%$ | 14.0 | 4.0 |
| HC0625-100M-5R0 | 10.0 | $\pm 20\%$ | 5.0 | 15.0 |
| HC0630-100M-100 | 10.0 | $\pm 20\%$ | 10.0 | 10.0 |

Test Equipment:

Inductance: 1.0KHz/1.0V at HP4284A LCR Meter.

DC Resistance: HP4338B Milliohms Meter.

DC Bias: WK3265B+WK3260B.