mail

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



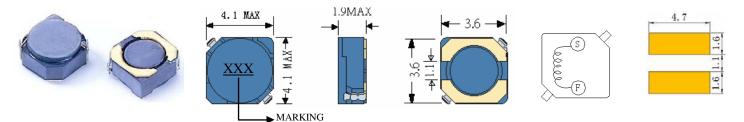
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SCRH3D16A

SMD POWER INDUCTORS



Features

- 1. Magnetically shielded construction
- 2 Excellent Power Density
- 3 Engineered to Provide High Efficiency

ELECTRICAL CHARACTERISTICS



100000

1R5

3500

| Part Number | Inductance (uH) (1) | Test Frequency | DC Resistance (Ω MAX) (2) | Saturation Current (A) | Temperature Current ⁽⁴⁾ (A) | SCRH3D16A Inductance decrease by current |
|---------------|---------------------------|-------------------|---------------------------------|------------------------------|--|--|
| SCRH3D16A-1R5 | 1.5 | 100KHZ | 52m | 1.55 | 2.25 | |
| SCRH3D16A-2R2 | 2.2 | 100KHZ | 72m | 1.20 | 1.80 | Inductance (µH |
| SCRH3D16A-3R3 | 3.3 | 100KHZ | 85m | 1.10 | 1.60 | |
| SCRH3D16A-4R7 | 4.7 | 100KHZ | 105m | 0.90 | 1.41 | |
| SCRH3D16A-6R8 | 6.8 | 100KHZ | 170m | 0.73 | 1.14 | |
| SCRH3D16A-100 | 10 | 100KHZ | 210m | 0.55 | 1.08 | |
| SCRH3D16A-150 | 15 | 100KHZ | 295m | 0.45 | 0.92 | 0.1 10 100 1000 10000 10 |
| SCRH3D16A-220 | 22 | 100KHZ | 430m | 0.40 | 0.78 | DC current (mA) |
| SCRH3D16A-330 | 33 | 100KHZ | 675m | 0.32 | 0.62 | SCRH3D16A Temperature rise by current t |
| SCRH3D16A-470 | 47 | 100KHZ | 940m | 0.22 | 0.52 | |
| SCRH3D16A-680 | 68 | 100KHZ | 1.28 | 0.20 | 0.44 | 70 |
| SCRH3D16A-820 | 82 | 100KHZ | 1.55 | 0.17 | 0.41 | |
| SCRH3D16A-101 | 100 | 100KHZ | 1.95 | 0.15 | 0.35 | 11R |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | 0 500 1000 1500 2000 2500 3000 3 |
| | | | | | | DC current (mA) |
| | | | | | | |
| | | | | | | |

(1). Inductance tolerance ±30% tested at 0.25V, 0ADC and 25°C

(2). DCR measured at 25°C.

(3). The DC current at which the inductance decreases by 35% from its initial value.

(4). The DC current that results in a 40°C temperature rise from 25°C ambient.

Click here for **QUANTITY PER REEL & PACKING INFORMATION**

Custom versions available upon request.

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