# 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!



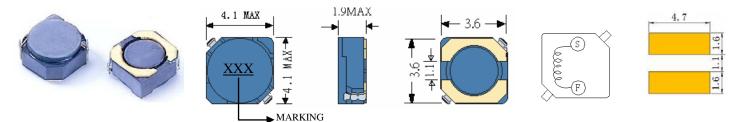
## Contact us

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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 <sup>(4)</sup> (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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