

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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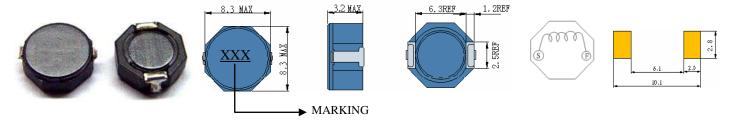
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SMD POWER INDUCTORS



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

ELECTRICAL CHARACTERISTICS



Inductance (uH)	Test Frequency	DC Resistance (Ω MAX)	Saturation Current (A)	Temperature Current (A)	SCRH8D28 Inductance decrease by current
2.5	100KHZ	15.6m	4.50	6.40	
3.3	100KHZ	18.2m	4.00	4.80	Inductance (µ)
4.7	100KHZ	24.7m	3.40	4.32	9 10
7.3	100KHZ	39m	2.80	3.60	Incta
10	100KHZ	47m	2.30	3.25	
15	100KHZ	69m	1.90	2.80	
22	100KHZ	99m	1.60	1.85	0.1 10 100 1000 10000 10000
33	100KHZ	156m	1.30	1.66	DC current (mA)
47	100KHZ	195m	1.15	1.30	CCDIIODAO Taman anatuma misa hu suumant
68	100KHZ	286m	0.95	1.17	SCRH8D28 Temperature rise by current
100	100KHZ	430m	0.75	1.05	70
					0 1000 2000 3000 4000 5000 6000 7000 8000 9000 100 DC current (mA)
	(uH) (t) 2.5 3.3 4.7 7.3 10 15 22 33 47 68	(uH) Frequency (1) 100KHZ 2.5 100KHZ 3.3 100KHZ 4.7 100KHZ 7.3 100KHZ 10 100KHZ 22 100KHZ 23 100KHZ 47 100KHZ 68 100KHZ	(uH) Frequency (Ω MAX) (1) 15.6m 2.5 100KHZ 15.6m 3.3 100KHZ 18.2m 4.7 100KHZ 24.7m 7.3 100KHZ 39m 10 100KHZ 47m 15 100KHZ 69m 22 100KHZ 99m 33 100KHZ 156m 47 100KHZ 195m 68 100KHZ 286m	(iII) Frequency (1) (Ω MAX) (2) Current (A) 2.5 100KHZ 15.6m 4.50 3.3 100KHZ 18.2m 4.00 4.7 100KHZ 24.7m 3.40 7.3 100KHZ 39m 2.80 10 100KHZ 47m 2.30 15 100KHZ 69m 1.90 22 100KHZ 99m 1.60 33 100KHZ 156m 1.30 47 100KHZ 195m 1.15 68 100KHZ 286m 0.95	(aH) Frequency (2) (A) (A) (A) 2.5 100KHZ 15.6m 4.50 6.40 3.3 100KHZ 18.2m 4.00 4.80 4.7 100KHZ 24.7m 3.40 4.32 7.3 100KHZ 39m 2.80 3.60 10 100KHZ 47m 2.30 3.25 15 100KHZ 69m 1.90 2.80 22 100KHZ 99m 1.60 1.85 33 100KHZ 156m 1.30 1.66 47 100KHZ 195m 1.15 1.30 68 100KHZ 286m 0.95 1.17

- (1). Inductance tolerance $\pm 30\%$ 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°Cambient.

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Custom versions available upon request.

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