



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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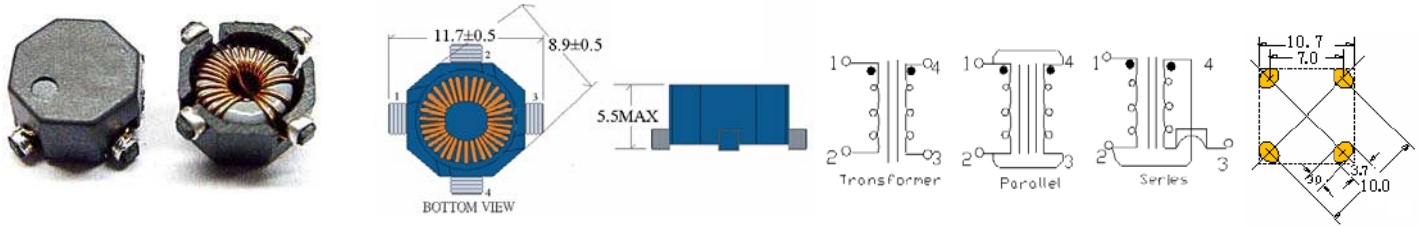
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SCX114

SMD POWER INDUCTORS



• Features

1. Excellent Power Density.
2. Engineered to Provide High Efficiency through Toroidal Design.
3. Low EMI Radiation.
4. Available in a wide Current Range of 0.16 to 5.5ADC.



ELECTRICAL CHARACTERISTICS

Part Number	PARALLEL				SERIES			
	Open Circuit Inductance uH+/-20%	Full Load Inductance uH min	Full Load Current Adc	DC Resistance ohms max.	Open Circuit Inductance uH+/-20%	Full Load Inductance uH min	Full Load Current Adc	DC Resistance ohms max.
SCX114-R47	0.47	0.31	5.50	0.009	1.67	1.25	2.75	0.040
SCX114-R68	0.68	0.43	5.10	0.011	2.40	1.74	2.55	0.045
SCX114-1R2	1.2	0.73	4.50	0.014	4.28	2.92	2.55	0.056
SCX114-2R2	2.2	1.36	3.40	0.018	8.08	5.44	1.70	0.070
SCX114-4R7	4.7	3.37	2.00	0.041	18.8	13.47	1.00	0.161
SCX114-8R0	8.0	5.31	1.80	0.052	32.33	21.23	0.90	0.208
SCX114-9R6	9.6	6.23	1.70	0.057	38.48	24.94	0.85	0.227
SCX114-150	15	9.62	1.40	0.087	60.12	38.47	0.70	0.348
SCX114-200	20	14.12	1.00	0.159	81.83	56.47	0.50	0.634
SCX114-250	25	17.07	0.96	0.177	101.60	68.29	0.48	0.708
SCX114-320	32	22.27	0.80	0.251	129.32	89.06	0.40	1.001
SCX114-500	50	33.57	0.70	0.316	202.07	134.27	0.35	1.263
SCX114-680	68	43.65	0.66	0.373	273.61	174.61	0.33	1.490
SCX114-101	100	63.64	0.54	0.557	396.06	254.55	0.27	2.227
SCX114-151	150	96.64	0.44	0.844	602.87	386.56	0.22	3.376
SCX114-201	200	130.79	0.36	1.208	793.65	523.16	0.18	4.831
SCX114-301	300	190.05	0.32	1.525	1199.46	760.19	0.16	6.100

NOTES:

- (1). Parameters to be tested at 100KHZ, 0.25V ,0VDC and 25°C
Parallel: (1,4-3,2) Series:(1-3) with (2-4) tied.
- (2). The DC current that results in a 40°C temperature rise. Overall unit temperature should not exceed 85°C (ambient + temperature rise).
- (3). Hi-pot winding to winding: 300Vdc min.
- (4). Turns Ratio:(1-2) : (4-3) 1:1

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Custom versions available upon request.

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