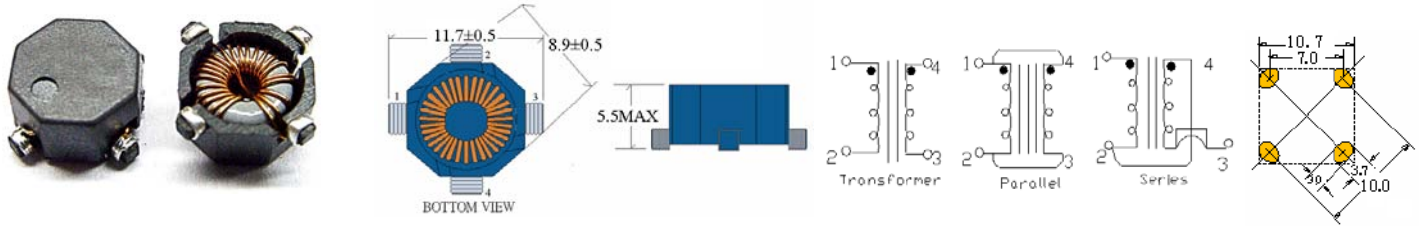


# SCX114

## 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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