



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

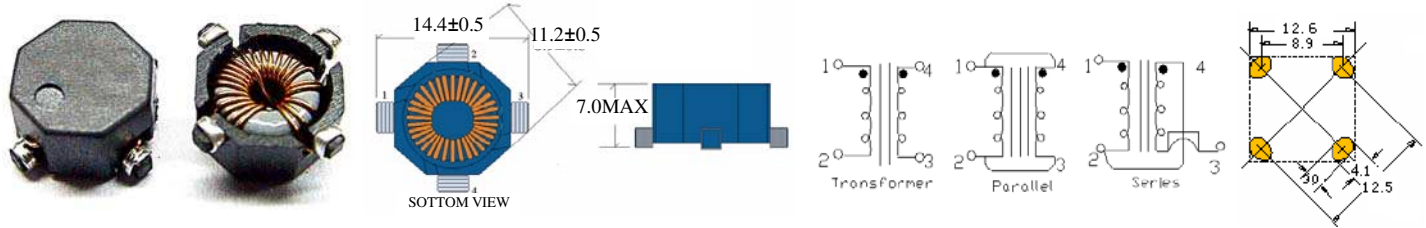
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



SCX147

SMD TOROIDAL INDUCTORS / TRANSFORMERS



• 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 0.31 to 7.0ADC.



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.
SCX147-0R47	0.47	0.32	7.00	0.004	1.76	1.29	3.50	0.016
SCX147-0R8	0.8	0.55	6.00	0.005	3.14	2.21	3.00	0.020
SCX147-1R2	1.2	0.85	5.50	0.006	4.90	3.41	2.50	0.024
SCX147-1R8	1.8	1.06	5.00	0.007	7.06	4.24	2.95	0.028
SCX147-5R0	5.0	2.59	4.40	0.014	19.60	10.37	2.20	0.056
SCX147-8R0	8.0	4.29	3.50	0.019	33.12	17.14	1.75	0.073
SCX147-100	10	4.82	3.40	0.020	38.42	19.28	1.70	0.079
SCX147-150	15	6.76	3.00	0.024	56.64	27.03	1.50	0.096
SCX147-200	20	10.68	2.10	0.055	78.40	42.73	1.05	0.220
SCX147-250	25	13.32	2.00	0.064	103.68	53.27	1.00	0.254
SCX147-330	33	16.82	1.80	0.072	132.50	67.27	0.90	0.288
SCX147-500	50	25.03	1.50	0.111	200.70	100.11	0.75	0.444
SCX147-680	68	35.29	1.20	0.158	268.32	141.15	0.60	0.630
SCX147-101	100	54.56	0.92	0.303	396.90	218.25	0.46	1.210
SCX147-151	150	77.17	0.82	0.372	592.90	308.69	0.41	1.488
SCX147-201	200	111.08	0.64	0.545	802.82	444.32	0.32	2.180
SCX147-301	300	147.92	0.62	0.672	1192.46	591.66	0.31	2.687

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

[Click here for QUANTITY PER REEL & PACKING INFORMATION](#)

Custom versions available upon request.