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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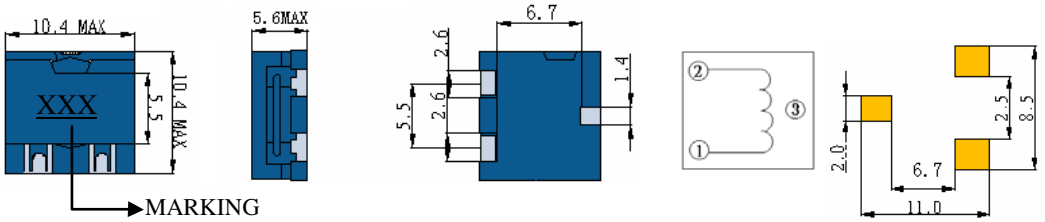
SCEP105S

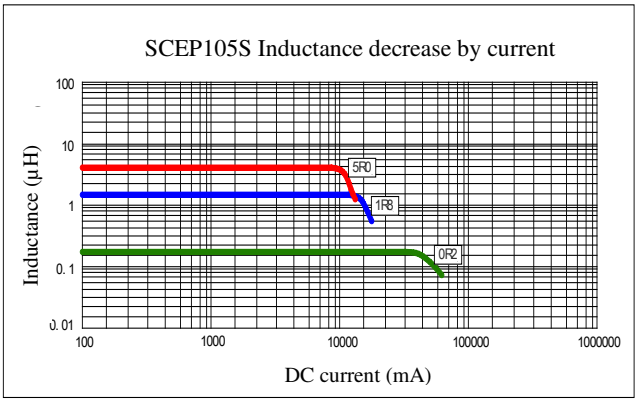
SMD POWER INDUCTORS

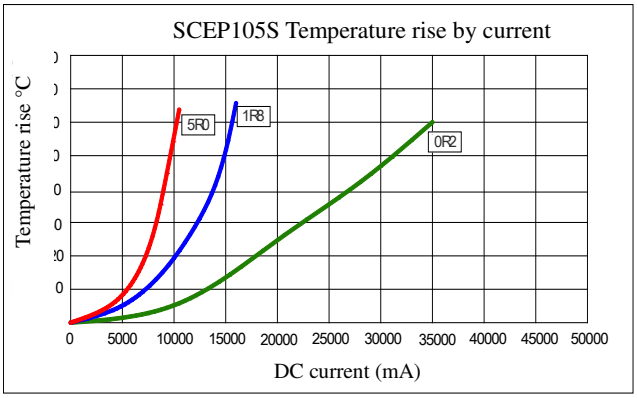


● Features
1 Excellent Power Density
2 Engineered to Provide High Efficiency

ELECTRICAL CHARACTERISTICS

Part Number	Inductance (uH) (1)	Test Frequency	DC Resistance (Ω MAX) (2)	Saturation Current (3) (A)	Temperature Current (4) (A)
SCEP105S-R22	0.22	100KHZ	2.6m	40.0	20.0
SCEP105S-R45	0.45	100KHZ	3.2m	26.4	18.0
SCEP105S-R80	0.8	100KHZ	4.1m	20.8	14.0
SCEP105S-1R3	1.3	100KHZ	5.3m	16.8	13.0
SCEP105S-1R8	1.8	100KHZ	8.0m	13.8	11.5
SCEP105S-2R5	2.5	100KHZ	10.5m	11.8	9.00
SCEP105S-3R2	3.2	100KHZ	12.4m	10.5	8.00
SCEP105S-4R0	4.0	100KHZ	18.0m	9.3	7.50
SCEP105S-5R0	5.0	100KHZ	23.8m	8.4	6.65





(1). Inductance tolerance for 0.22uH: ±30%, for 0.45uH~5.0uH: ±20%. Tested at 0.25V, 0ADC and 25℃
(2). DCR measured at 25℃.
(3). The DC current at which the inductance decreases by 25% from its initial value.
(4). The DC current that results in a 40℃ temperature rise from 25℃ambient.

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