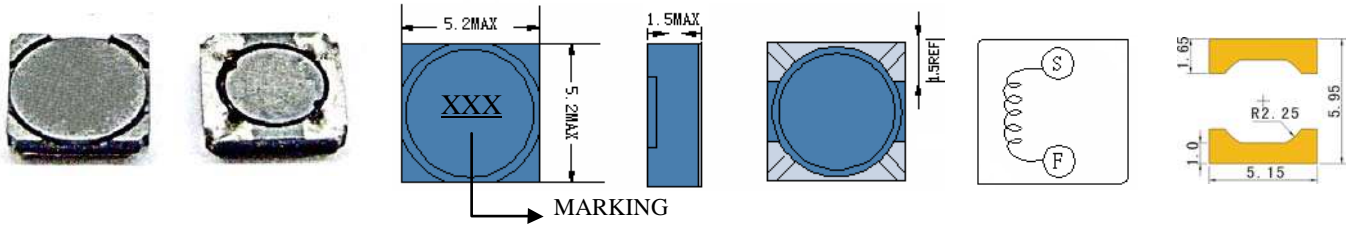


# SCMS5D14

## SMD POWER INDUCTORS



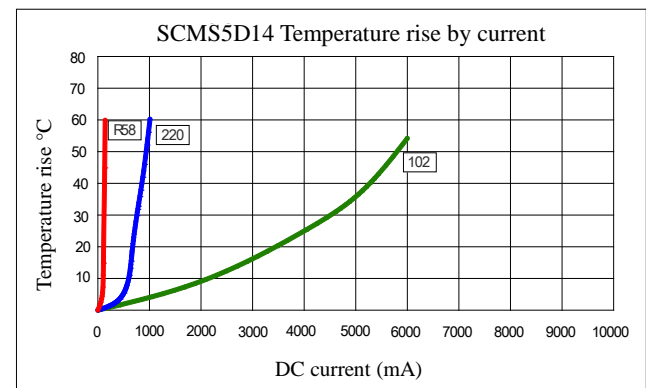
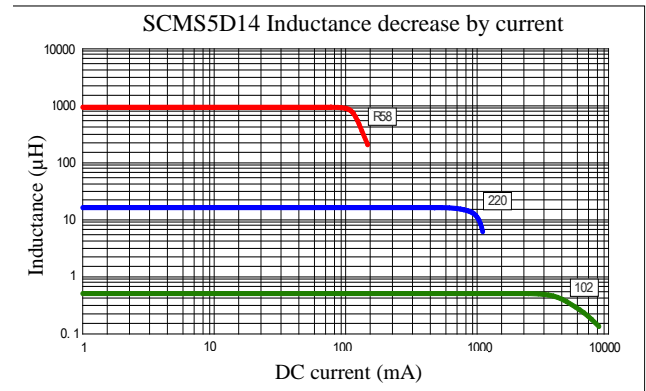
### • Features

1. Magnetically shielded construction – Low EMI
2. Excellent Power Density
3. Engineered to Provide High Efficiency
4. High Inductance, Wide Current Range, Low Profile



## ELECTRICAL CHARACTERISTICS

Part Number	Inductance (uH) (1)	Test Frequency	DC Resistance (Ω MAX) (2)	Saturation Current <sup>(3)</sup> (A)	Temperature Current <sup>(4)</sup> (A)
SCMS5D14-R58	0.58	100KHZ	24m	4.84	4.00
SCMS5D14-R87	0.87	100KHZ	27m	3.70	3.60
SCMS5D14-1R2	1.2	100KHZ	38m	3.10	3.20
SCMS5D14-1R5	1.5	100KHZ	43m	2.85	2.80
SCMS5D14-2R0	2.0	100KHZ	49m	2.56	2.37
SCMS5D14-2R5	2.5	100KHZ	65m	2.29	1.90
SCMS5D14-3R2	3.2	100KHZ	77m	2.00	1.80
SCMS5D14-4R5	4.5	100KHZ	120m	1.60	1.62
SCMS5D14-6R9	6.9	100KHZ	160m	1.35	1.30
SCMS5D14-8R8	8.8	100KHZ	210m	1.25	1.17
SCMS5D14-100	10	100KHZ	300m	1.10	1.05
SCMS5D14-150	15	100KHZ	350m	0.91	0.94
SCMS5D14-220	22	100KHZ	550m	0.76	0.76
SCMS5D14-330	33	100KHZ	690m	0.61	0.60
SCMS5D14-470	47	100KHZ	1.10	0.52	0.51
SCMS5D14-680	68	100KHZ	1.80	0.44	0.43
SCMS5D14-820	82	100KHZ	2.15	0.39	0.38
SCMS5D14-101	100	100KHZ	2.80	0.35	0.32
SCMS5D14-151	150	100KHZ	3.60	0.29	0.28
SCMS5D14-221	220	100KHZ	4.32	0.24	0.25
SCMS5D14-331	330	100KHZ	6.80	0.19	0.21
SCMS5D14-471	470	100KHZ	13.0	0.17	0.16
SCMS5D14-681	680	100KHZ	17.4	0.14	0.13
SCMS5D14-821	820	100KHZ	20.2	0.125	0.12
SCMS5D14-102	1000	100KHZ	22.6	0.114	0.11



(1). Inductance tolerance for 0.58uH~8.8uH:  $\pm 30\%$ , for 10uH~1000uH:  $\pm 20\%$ . Tested at 0.25V, 0ADC and 25°C

(2). DCR measured at 25°C.

(3). The DC current at which the inductance decreases by 30% from its initial value.

(4). The DC current that results in a 40°C temperature rise from 25°C ambient.

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

Custom versions available upon request.