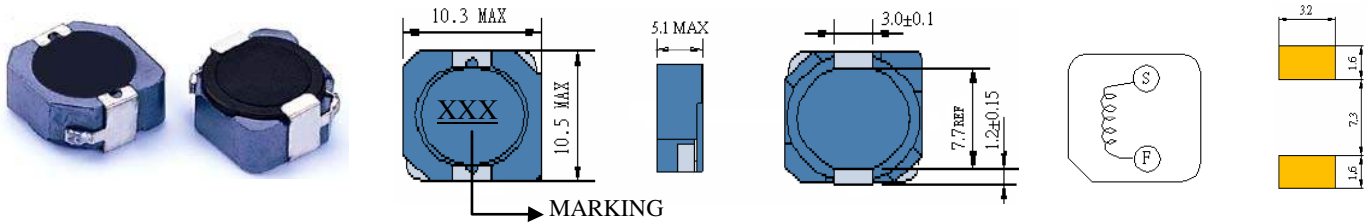


# SCRH105RY

## SMD POWER INDUCTORS



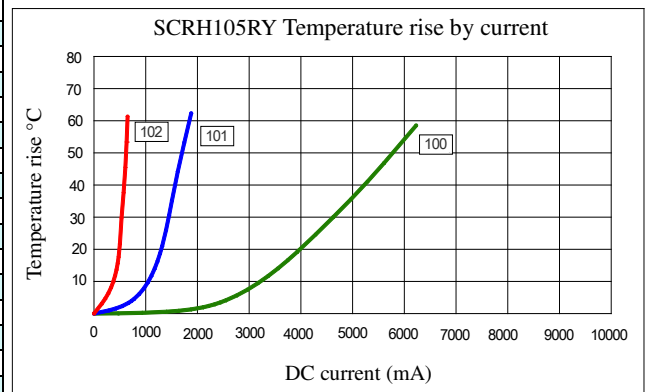
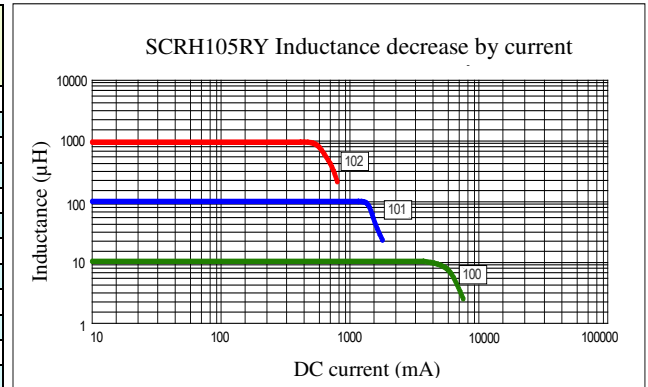
### • Features

1. Magnetically shielded construction
2. Excellent Power Density
3. Engineered to Provide High Efficiency

## ELECTRICAL CHARACTERISTICS



Part Number	Inductance (uH) (1)	Test Frequency	DC Resistance (Ω MAX) (2)	Saturation Current (A) (3)	Temperature Current (A) (4)
SCRH105RY-0R8	0.8	100KHZ	5m	13.5	11.50
SCRH105RY-1R5	1.5	100KHZ	6m	10.5	10.30
SCRH105RY-2R2	2.2	100KHZ	8m	9.25	9.20
SCRH105RY-3R3	3.3	100KHZ	11m	8.80	8.20
SCRH105RY-4R7	4.7	100KHZ	13m	8.00	7.30
SCRH105RY-6R8	6.8	100KHZ	18m	5.50	6.20
SCRH105RY-8R2	8.2	100KHZ	20m	5.00	5.50
SCRH105RY-100	10	100KHZ	26m	4.45	4.50
SCRH105RY-120	12	100KHZ	33m	4.00	4.00
SCRH105RY-150	15	100KHZ	41m	3.60	3.80
SCRH105RY-180	18	100KHZ	46m	3.20	3.42
SCRH105RY-220	22	100KHZ	61m	2.95	3.07
SCRH105RY-270	27	100KHZ	69m	2.70	2.76
SCRH105RY-330	33	100KHZ	84m	2.40	2.48
SCRH105RY-390	39	100KHZ	106m	2.30	2.35
SCRH105RY-470	47	100KHZ	130m	2.00	2.11
SCRH105RY-560	56	100KHZ	149m	1.90	2.00
SCRH105RY-680	68	100KHZ	201m	1.65	1.70
SCRH105RY-820	82	100KHZ	227m	1.50	1.53
SCRH105RY-101	100	100KHZ	253m	1.35	1.35
SCRH105RY-121	120	100KHZ	303m	1.28	1.28
SCRH105RY-151	150	100KHZ	370m	1.12	1.15
SCRH105RY-181	180	100KHZ	419m	1.04	1.09
SCRH105RY-221	220	100KHZ	500m	0.94	0.93
SCRH105RY-271	270	100KHZ	672m	0.84	0.85
SCRH105RY-331	330	100KHZ	812m	0.75	0.76
SCRH105RY-391	390	100KHZ	953m	0.70	0.68
SCRH105RY-471	470	100KHZ	1.30	0.60	0.60
SCRH105RY-561	560	100KHZ	1.43	0.54	0.57
SCRH105RY-681	680	100KHZ	1.60	0.52	0.54
SCRH105RY-821	820	100KHZ	1.77	0.50	0.50
SCRH105RY-102	1000	100KHZ	1.99	0.48	0.46



- (1). Inductance tolerance  $\pm 30\%$  tested at 0.25V, 0ADC and 25°C
- (2). DCR measured at 25°C.
- (3). The DC current at which the inductance decreases by 35% from its initial value.
- (4). The DC current that results in a 40°C temperature rise from 25°C ambient.

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Custom versions available upon request.

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