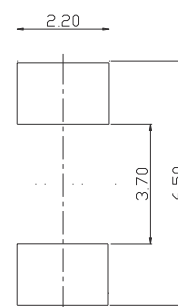
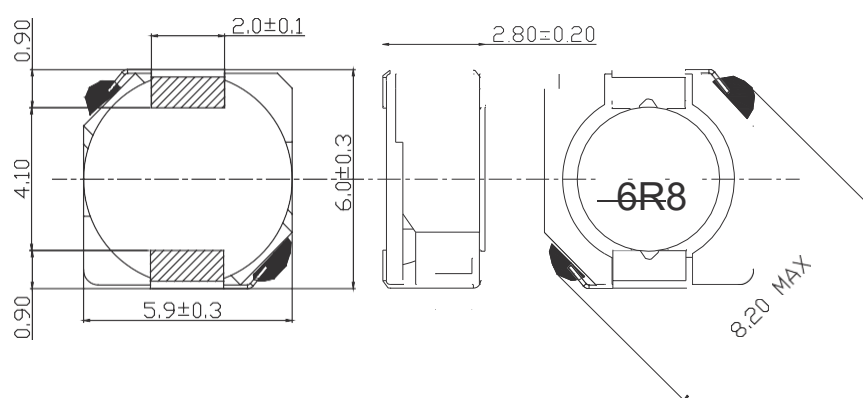


MTI-SDR0528A_{SERIES}

SMD Power Inductor



- Ferrite core construction
- L*W*H :6.3 * 6.2 *3.0 Max.
- High temperature inductor for Automotive application
- Operation temperature range : -40 degree to +125 degree
(Including coil's self temp. rise)
- RoHs compliance
- Halogen free available
- Qualified to AEC-Q200



LAND PATTERN

UNIT:mm

Electrical Specifications at 25°C

No.	PART NUMBER	MARK	OCL(uH)	DCR (mohm)		Saturation Current (A)		Temperature Rise Current (A)
				Max.	Typ.	At 25°C	At 125°C	
1	MTI-SDR0528A-1R2-T125	1R2	1.2±25%	17.0	12.7	7.10	5.60	4.50
2	MTI-SDR0528A-1R6-T125	1R6	1.6 ±25%	20.0	14.1	6.50	5.10	4.20
3	MTI-SDR0528A-2R2-T125	2R2	2.2 ±25%	27.0	22.7	5.30	4.00	3.50
4	MTI-SDR0528A-3R3-T125	3R3	3.3 ±25%	35.5	27.4	4.30	3.40	2.80
5	MTI-SDR0528A-4R7-T125	4R7	4.7 ±25%	52.0	41.7	3.70	2.89	2.60
6	MTI-SDR0528A-6R8-T125	6R8	6.8 ±25%	63.0	43.3	3.08	2.44	2.50
7	MTI-SDR0528A-100-T125	100	10 ±20%	99.0	72.6	2.46	1.93	2.00
8	MTI-SDR0528A-150-T125	150	15 ±20%	143	109	2.08	1.63	1.45
9	MTI-SDR0528A-220-T125	220	22 ±20%	203	154	1.70	1.33	1.20
10	MTI-SDR0528A-330-T125	330	33 ±20%	300	221	1.41	1.12	0.95
11	MTI-SDR0528A-470-T125	470	47 ±20%	470	342	1.16	0.91	0.77
12	MTI-SDR0528A-680-T125	680	68 ±20%	545	420	0.95	0.74	0.68
13	MTI-SDR0528A-101-T125	101	100 ±20%	825	626	0.80	0.62	0.58

1. OCL Measuring condition is 100KHz · 0.1Vrms.

2. Saturation current: The value of D.C current when the inductance decreases to 65% of it's normal value.

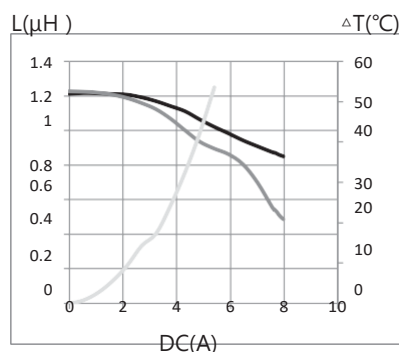
3. Temperature rise current: The value of D.C. current when the temperature rise is $\Delta T=40^{\circ}\text{C}$ ($T_a=25^{\circ}\text{C}$)



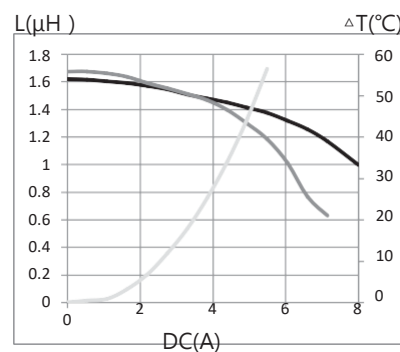
Saturated Current and Temperature Rise Graph.

L(25°C)
 L(125°C)
 ΔT

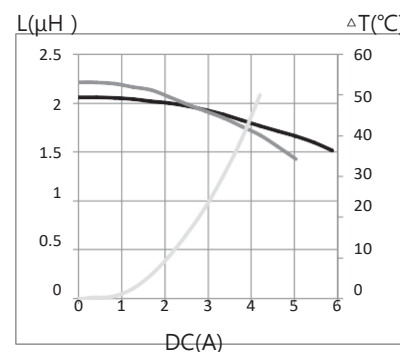
1. MTI-SDR0528A-1R2-T125



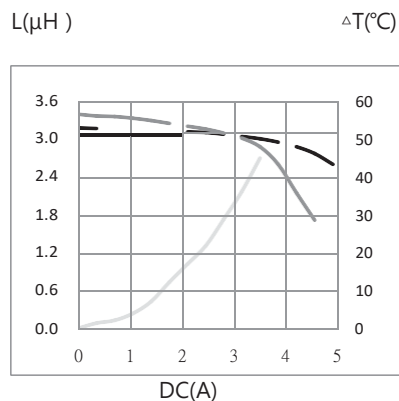
2. MTI-SDR0528A-1R6-T125



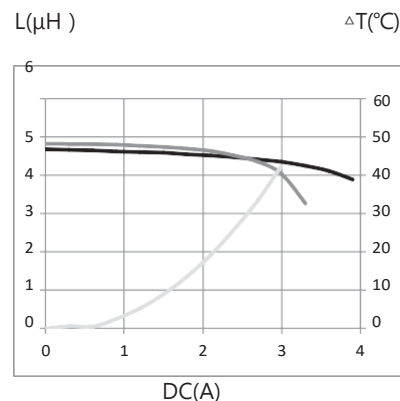
3. MTI-SDR0528A-2R2-T125



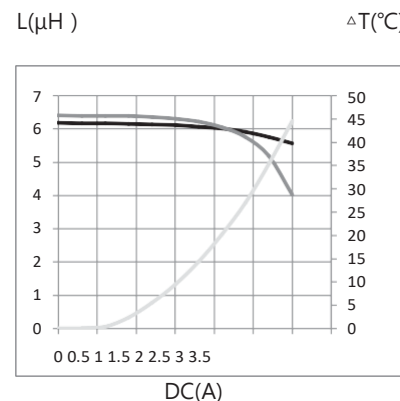
4. MTI-SDR0528A-3R3-T125



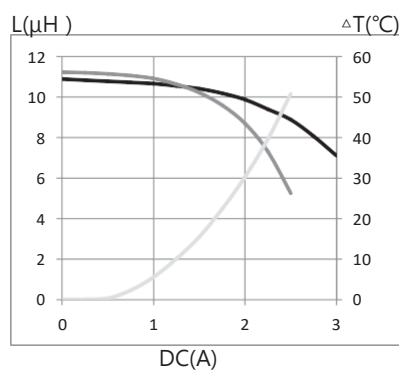
5. MTI-SDR0528A-4R7-T125



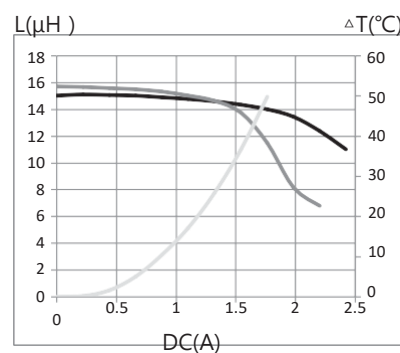
6. MTI-SDR0528A-6R8-T125



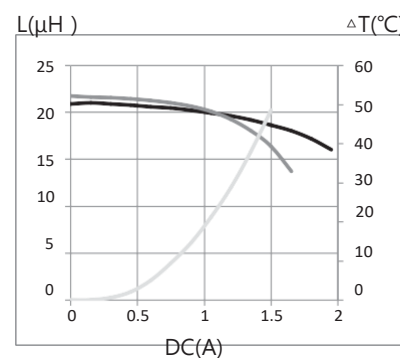
7. MTI-SDR0528A-100-T125



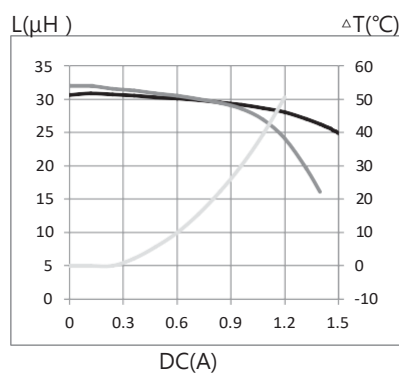
8. MTI-SDR0528A-150-T125



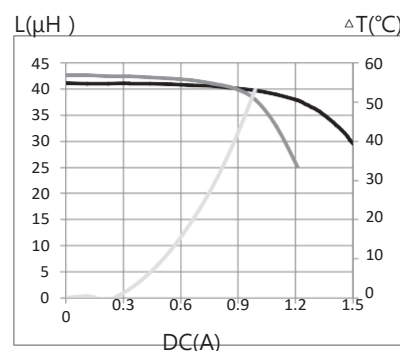
9. MTI-SDR0528A-220-T125



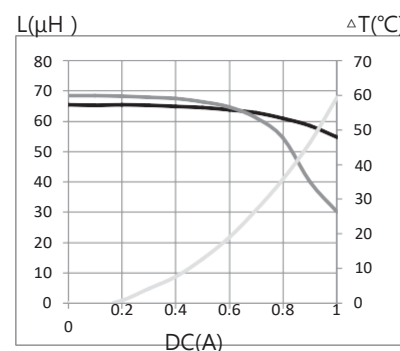
10. MTI-SDR0528A-330-T125



11. MTI-SDR0528A-470-T125



12. MTI-SDR0528A-680-T125



13. MTI-SDR0528A-101-T125

