

Product Portfolio – SATLVR Core assembly series

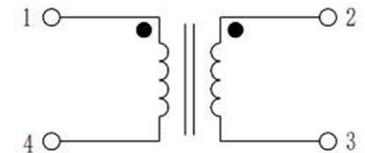
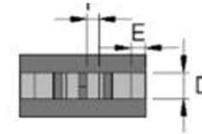
• SATLVR- Ferrite Core assembly Types

Features-

- **SATLVR Core assembly** Series
- High saturation characteristic core for large saturation current and low loss
- Closed magnetic circuit design reduces leakage flux
- High precision DCR
- Halogen Free & ROHS compliant

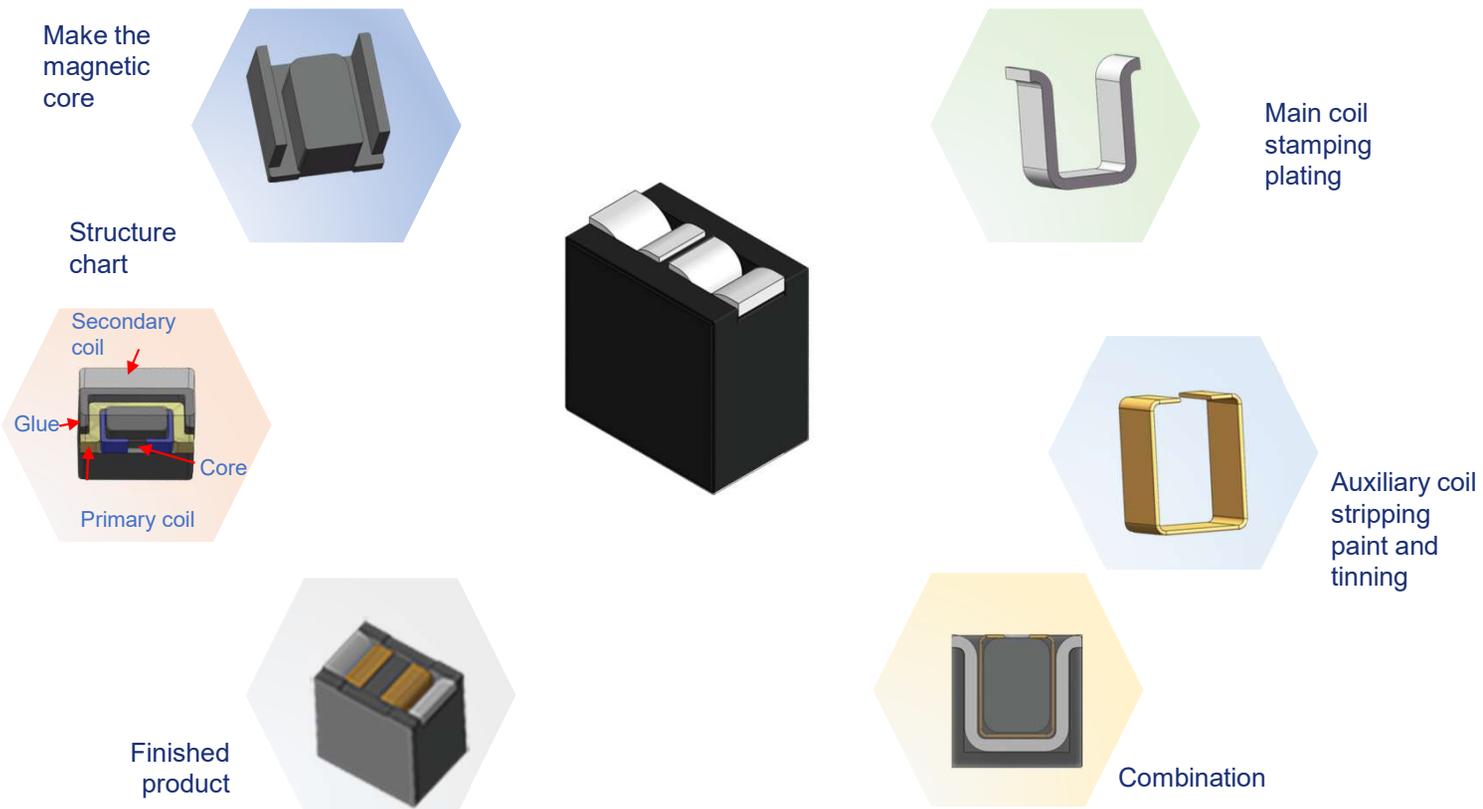
Test Noted-

1. All test data is referenced to 25°C ambient;
2. Isat: DC current at which the inductance drops approximate 30% from its value without current
3. Irms: DC current that causes the temperature rise ($\Delta T 40^{\circ}\text{C}$) from 25°C ambient
4. **Hi-Pot : 100Vdc 1s 3mA**



NO	ITEM	MATERIAL
1	Core	Ferrite Core
2	Clip	Cu/Sn Clip
3	Adhesive	Epoxy

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Part No.	Inductance	DC Resistance		Saturation Current		Heating Rating Current
	L (μ H) \pm 20%	DCR (m Ω)		Isat (A) Typ.		Irms (A) Typ.
	@100KHz, 1.0V	(at 25 \pm 5 $^{\circ}$ C)		25 $^{\circ}$ C	100 $^{\circ}$ C	25 $^{\circ}$ C
	Pin 1-4	Pin 1-4	Pin 2-3	Pin 1-4		Pin 1-4
SATLVR090610L-R10LT	0.10	0.125	0.45	92	82	75
SATLVR090610L-R12LT	0.12	0.125	0.45	75	66	75
SATLVR090610L-R15LT	0.15	0.125	0.45	60	52	75

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Part No.	Inductance	DC Resistance		Saturation Current		Heating Rating Current
	L (μ H) \pm 20%	DCR (m Ω)		Isat (A) Typ.		Irms (A) Typ.
	@100KHz, 1.0V	(at 25 \pm 5 $^{\circ}$ C)		25 $^{\circ}$ C	100 $^{\circ}$ C	25 $^{\circ}$ C
	Pin 1-4	Pin 1-4	Pin 2-3	Pin 1-4		Pin 1-4
SATLVR090611L-R070LT	0.07	0.125	0.6	149	129	75
SATLVR090611L-R080LT	0.08	0.125	0.6	131	113	75
SATLVR090611L-R10LT	0.10	0.125	0.6	105	91	75
SATLVR090611L-R11LT	0.11	0.125	0.6	95	82	75
SATLVR090611L-R12LT	0.12	0.125	0.6	87	75	75
SATLVR090611L-R15LT	0.15	0.125	0.6	70	60	75

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Part No.	Inductance	DC Resistance		Saturation Current		Heating Rating Current
	L (μ H) \pm 20%	DCR (m Ω)		Isat (A) Typ.		Irms (A) Typ.
	@100KHz, 1.0V	(at 25 \pm 5 $^{\circ}$ C)		25 $^{\circ}$ C	100 $^{\circ}$ C	25 $^{\circ}$ C
	Pin 1-4	Pin 1-4	Pin 2-3	Pin 1-4		Pin 1-4
SATLVR120610L-R070LT	0.07	0.115	0.74	155	140	88
SATLVR120610L-R10LT	0.10	0.115	0.74	110	100	88
SATLVR120610L-R12LT	0.12	0.115	0.74	92	82	88
SATLVR120610L-R15LT	0.15	0.115	0.74	70	65	88
SATLVR120610L-R18LT	0.18	0.115	0.74	60	55	88

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Part No.	Inductance	DC Resistance		Saturation Current		Heating Rating Current
	L (μH) $\pm 20\%$	DCR ($\text{m}\Omega$)		Isat (A) Typ.		Irms (A) Typ.
	@100KHz, 1.0V	(at $25\pm 5^\circ\text{C}$)		25°C	100°C	25°C
	Pin 1-4	Pin 1-4	Pin 2-3	Pin 1-4		Pin 1-4
SATLVR120611L-R070LT	0.07	0.143	0.429	157	142	78
SATLVR120611L-R10LT	0.10	0.143	0.429	112	100	78
SATLVR120611L-R12LT	0.12	0.143	0.429	94	83	78
SATLVR120611L-R15LT	0.15	0.143	0.429	74	66	78
SATLVR120611L-R17LT	0.17	0.143	0.429	64	58	78

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Part No.	Inductance	DC Resistance		Saturation Current		Heating Rating Current
	L (μH) $\pm 15\%$	DCR ($\text{m}\Omega$)		Isat (A) Typ.		Irms (A) Typ.
	@100KHz, 1.0V	(at $25\pm 5^\circ\text{C}$)		25°C	100°C	25°C
	Pin 1-4	Pin 1-4	Pin 2-3	Pin 1-4		Pin 1-4
SATLVR120612L-R070LT	0.07	0.125	0.37	178	145	75
SATLVR120612L-R10LT	0.10	0.125	0.37	125	100	75
SATLVR120612L-R12LT	0.12	0.125	0.37	106	88	75
SATLVR120612L-R15LT	0.15	0.125	0.37	82	70	75
SATLVR120612L-R17LT	0.17	0.125	0.37	73	60	75