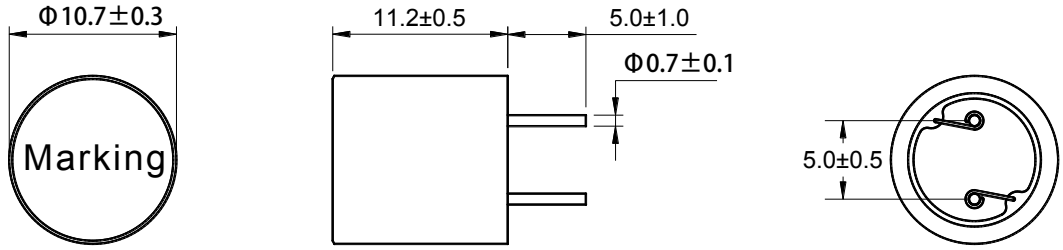
KPRD Series
Through-hole Inductor
Size 1011

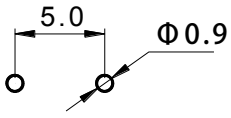
FEATURES

- Magnetically shielded construction, high reliability.
- Small size, high saturation current.
- Most suitable for digital power amplifier.
- Lead free product, RoHS compliant.
- Widely used in AV amplifier, mini audio, various power supply, and etc.
- Operating temperature : -40°C ～ +125°C (Including coil′s temperature rise)

Dimensions: [mm]



Land Pattern: [mm]



Schematic:

Electrical Properties:

Part No.	Inductance (μH) ±20%	D.C.R. (mΩ)		Saturation current (A)		Temperature rise current (A) Typical
		Typical	Max	Typical	Max	
KPRS1011-4R7M	4.70	15.0	18.0	12.0	9.60	5.80
KPRS1011-6R8M	6.80	18.5	22.0	10.3	8.24	5.30
KPRS1011-100M	10.0	22.0	26.0	8.50	6.80	4.80
KPRS1011-120M	12.0	26.0	31.0	7.30	5.84	4.40
KPRS1011-150M	15.0	33.5	40.0	6.70	5.36	3.90
KPRS1011-180M	18.0	46.0	55.0	6.10	4.88	3.30

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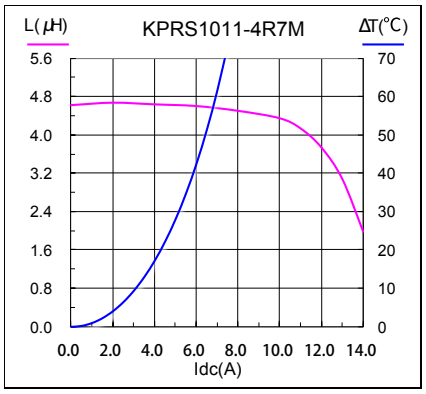
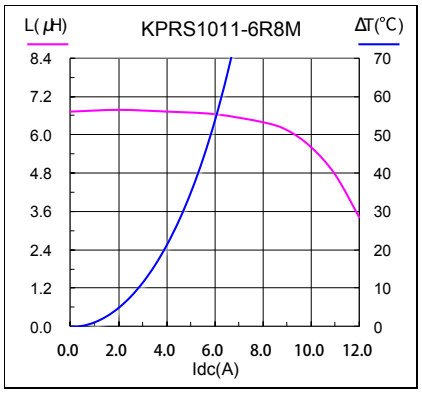
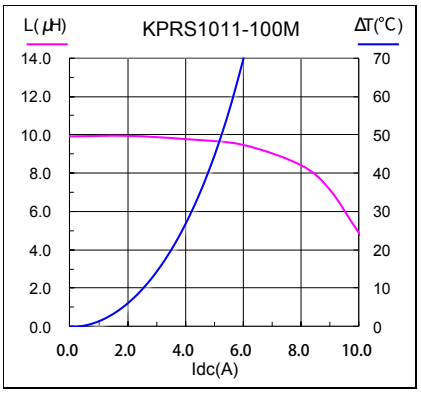
Part No.	Inductance (μH) ±20%	D.C.R. (mΩ)		Saturation current (A)		Temperature rise current (A) Typical
		Typical	Max	Typical	Max	
KPRS1011-220M	22.0	50.0	60.0	5.70	4.56	3.20
KPRS1011-270M	27.0	74.4	89.3	4.90	3.92	2.60
KPRS1011-330M	33.0	78.6	94.3	4.70	3.76	2.55
KPRS1011-390M	39.0	86.6	104	4.40	3.52	2.40
KPRS1011-470M	47.0	98.5	118	3.90	3.12	2.30
KPRS1011-560M	56.0	110	132	3.60	2.88	2.20
KPRS1011-680M	68.0	143	172	3.30	2.64	1.90
KPRS1011-820M	82.0	177	212	3.10	2.48	1.70
KPRS1011-101M	100	198	238	2.75	2.20	1.60

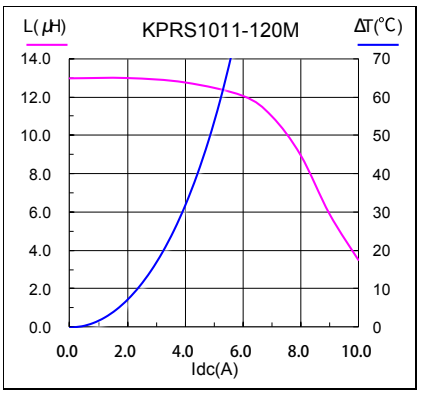
All data is tested based on 25°C ambient temperature.
Inductance measure condition at 1kHz,0.25V.
Saturation current：the value of DC current when the inductance decrease 20% of its initial value.
Temperature rise current：the actual value of DC current when the temperature rise is ΔT40°C(Ta=25°C).

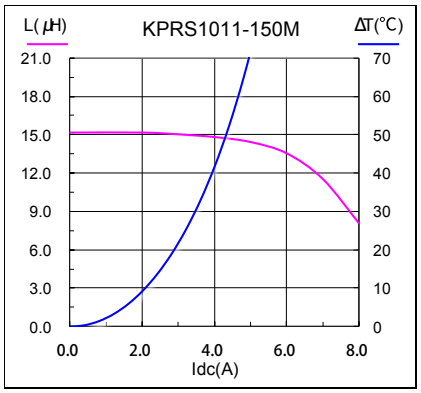
Typical Electrical Characteristics:

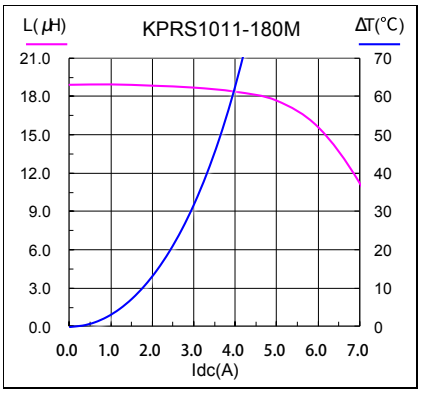












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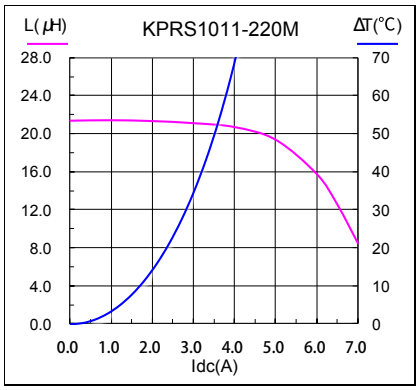

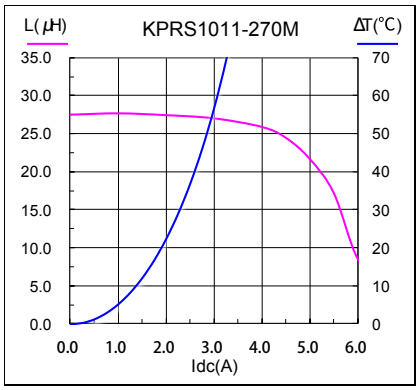

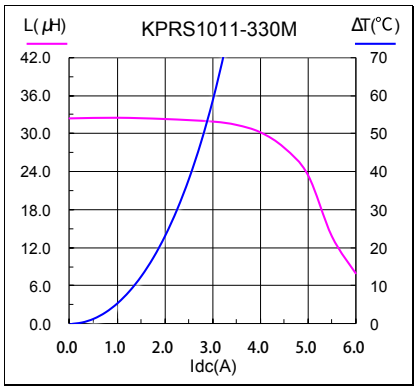

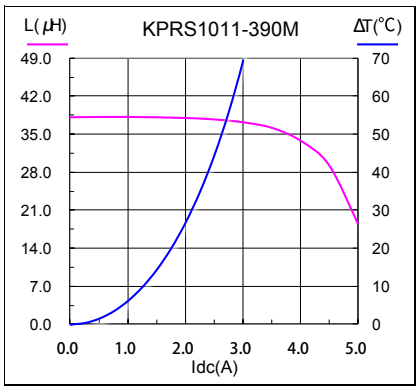

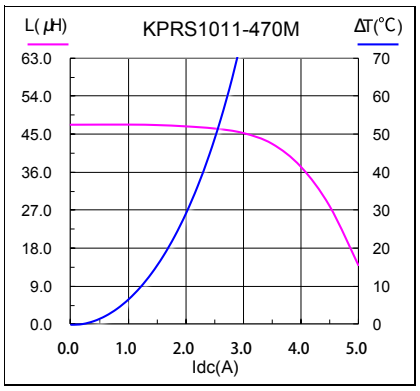

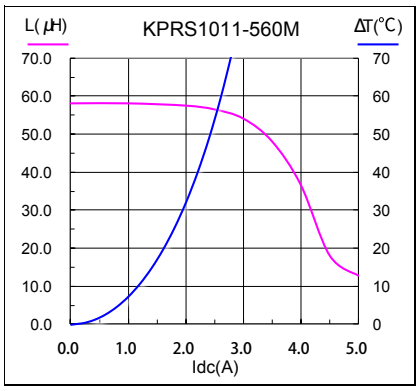

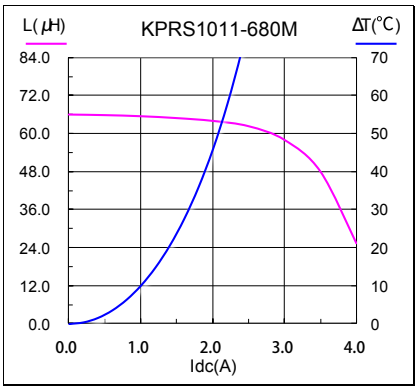

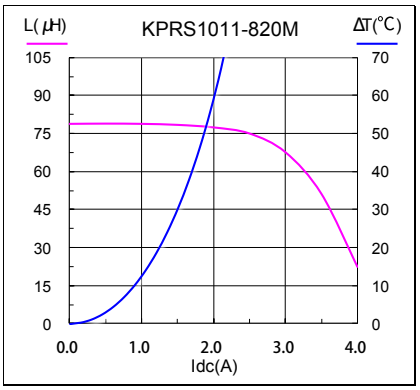

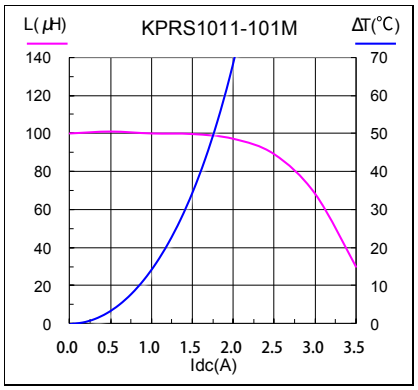

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