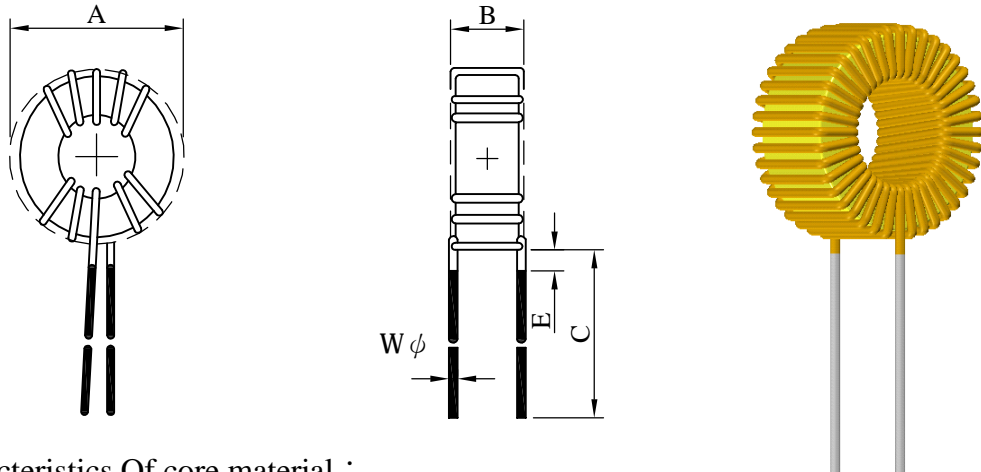


SPECIFICATION FOR APPROVAL

REF. :

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I . Configuration and dimensions :

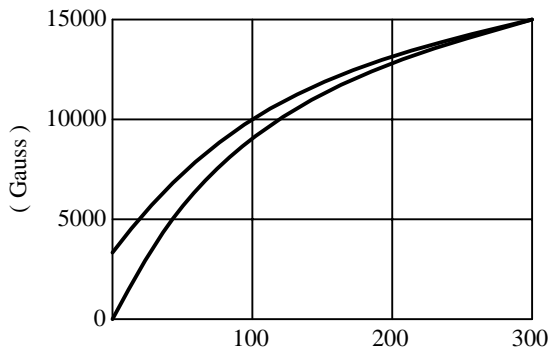


II . Characteristics Of core material :

Uiac : 75

Bs : 14000 Gauss

Temperature stability : ±5 ---- 10%



III . Description :

- a . Ferrite toroidal core construction.
- b . Enamelled copper wire : F class
- c . Product weight : 50.30 g (ref.) (TR3217)
- d . Moisture sensitivity Level 1
- e . Products comply with RoHS' requirements
- f . Halogen free available

IV . General specification :

- a . Storage temp. : -40°C ---- +125°C
- b . Operating temp. : -40°C ---- +125°C
(Temp. rise included.)

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V . Electrical characteristics :

DWG No.	Inductance (μ H) min.	DC Resistance ($m\Omega$) max.	Rated Current (A)	Dimensions (m/m)				
				A max.	B max.	C	E max.	W ϕ
TR0806100YL□-□□□	10	45	1	8.5	6.0	20.0±5	3.0	0.4 ϕ
TR1307250YL□-□□□	25	85	2	13.5	7.5	20.0±5	3.0	0.4 ϕ
TR1711260YL□-□□□	26	55	2	17.0	11.0	25.0±5	3.0	0.6 ϕ
TR1711460YL□-□□□	46	70	2	17.0	11.0	25.0±5	3.0	0.6 ϕ
TR1711720YL□-□□□	72	85	2	17.0	11.0	25.0±5	3.0	0.6 ϕ
TR1714450YL□-□□□	45	75	2	17.0	14.0	25.0±5	3.0	0.6 ϕ
TR1714800YL□-□□□	80	85	2	17.0	14.0	25.0±5	3.0	0.6 ϕ
TR1714131YL□-□□□	125	100	2	17.0	14.0	25.0±5	3.0	0.6 ϕ
TR2313400YL□-□□□	40	40	3	23.0	13.0	25.0±5	3.0	0.8 ϕ
TR2313720YL□-□□□	72	50	3	23.0	13.0	25.0±5	3.0	0.8 ϕ
TR2313111YL□-□□□	110	70	3	23.0	13.0	25.0±5	3.0	0.8 ϕ
TR2616350YL□-□□□	35	30	5	26.0	16.0	25.0±5	3.0	1.0 ϕ
TR2616640YL□-□□□	64	40	5	26.0	16.0	25.0±5	3.0	1.0 ϕ
TR2616101YL□-□□□	100	50	5	26.0	16.0	25.0±5	3.0	1.0 ϕ
TR3217450YL□-□□□	45	40	5	32.0	17.0	25.0±3	3.0	1.0 ϕ
TR3217900YL□-□□□	90	50	5	32.0	17.0	25.0±3	3.0	1.0 ϕ
TR3217141YL□-□□□	140	70	5	32.0	17.0	25.0±3	3.0	1.0 ϕ

- 1). Rated current base on temp. rise : 40°C max.
- 2). Electrical specifications at 25°C

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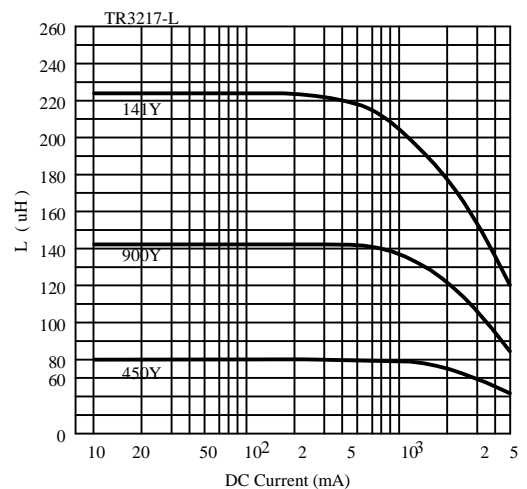
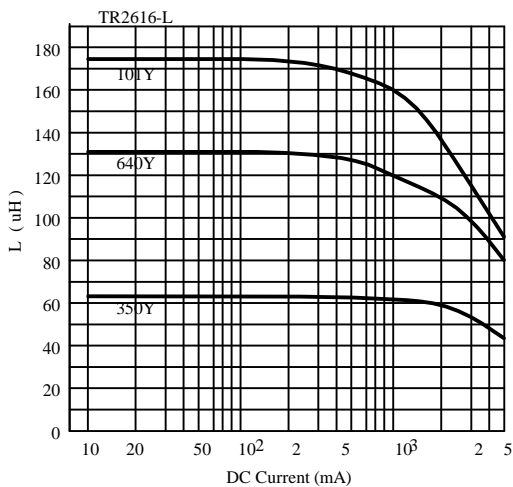
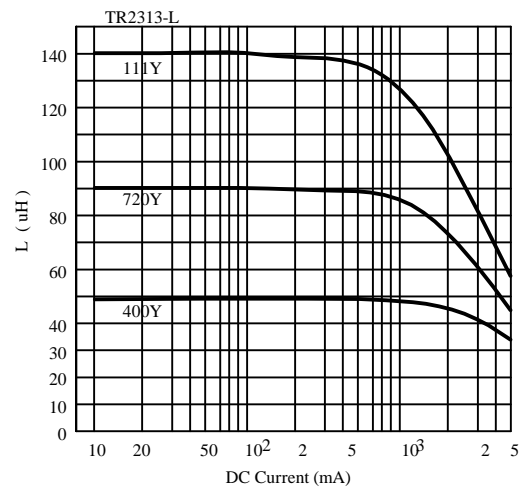
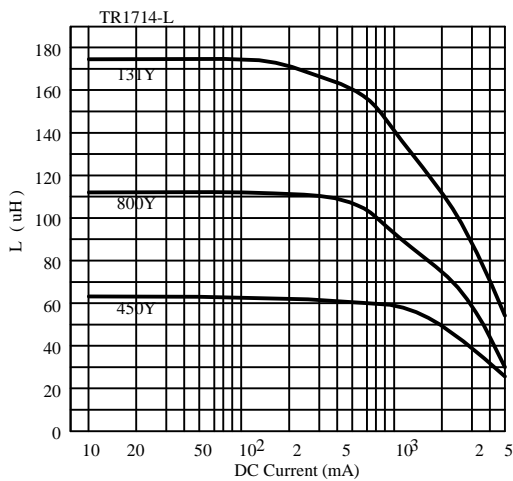
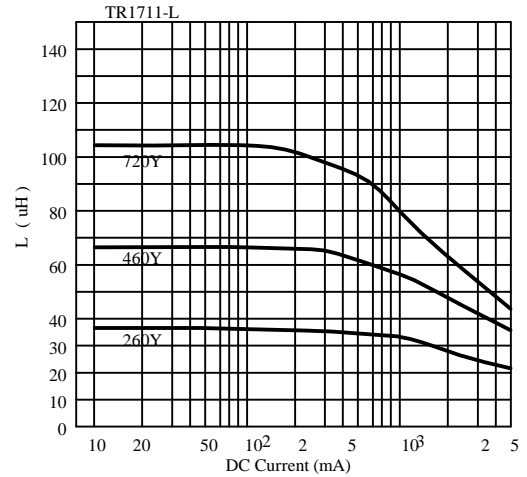
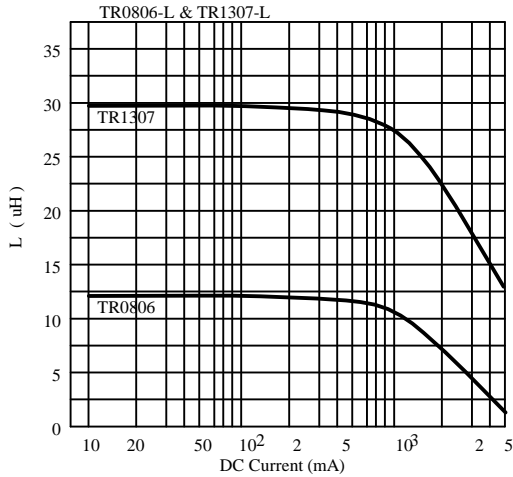


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VI . Curve :



LCR Meter : Model HP4274A 0.1 V / 1 KHz

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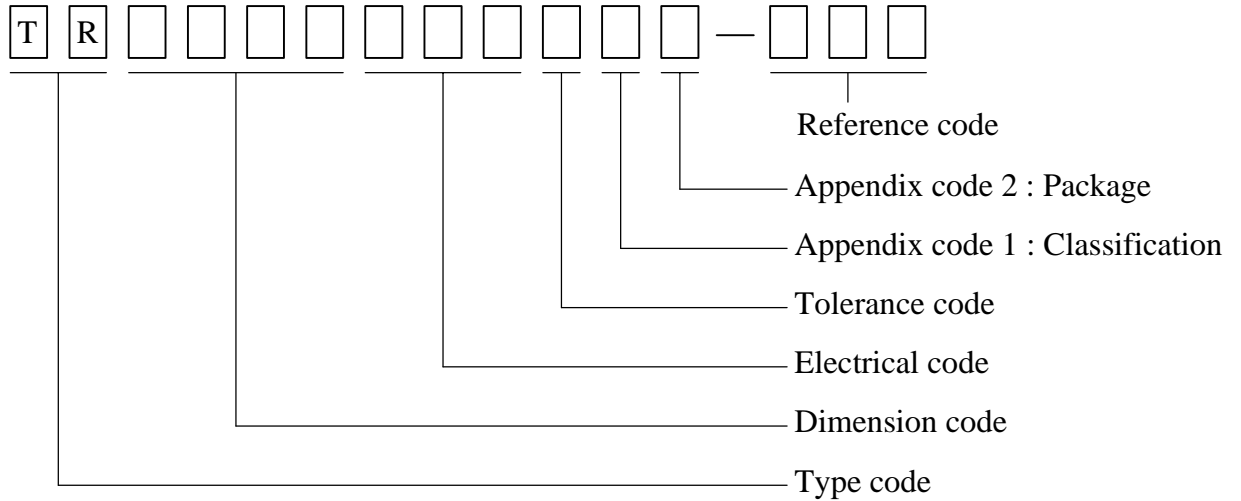


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VII . Dwging number expression :



Appendix code 1 : Product Classification

L : Lead Free Standard products comply with RoHS' requirements

Appendix code 2 : Package Information

Code	Inner package	Inner packge Q'TY	Remark
A	Box	500 pcs	TR0806
	Tray	1170 pcs	TR1307
		81 pcs	TR1711
		345 pcs	TR1714
		340 pcs	TR2313
		30 pcs	TR2616
		90 pcs	TR3217

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VIII . Reliability test :

Item	Reference documents	Test Condition	Test Specification
1.High Temperature Exposure	MIL-STD-202 Method 108	1.Temperature: 125°C 2.Time:96 hours.	1.No mechanical and electrical damage. 2.Inductance shall not change more than ±20%.
2.Temperature Cycling	JESD22 Method JA-104	1.Temperature: -40°C ~ 125°C 2.Number of cycle:96 cycle 3.Dwell time:30 minutes	1.No mechanical and electrical damage. 2.Inductance shall not change more than ±20%.
3.Biased Humidity Test	MIL-STD-202 Method 103	1.Temperature: 85±5 °C 2.Time:96 Hours 3.Humidity: 85±5% RH.	1.No mechanical and electrical damage. 2.Inductance shall not change more than ±20%.
4.Operational Life	MIL-PRF-27	1.Temperature: 125°C 2.Time:96 hours. 3.Apply rated current.	1.No mechanical and electrical damage. 2.Inductance shall not change more than ±20%.
5.External Visual	MIL-STD-883 Method 2009	Inspect product constructions, marking and workmanship.	1.No pollution on the surface of products. 2.Clear marking. 3.No crack.
6.Physical Dimensions	JESD22 Method JB-100	Verify physical dimensions to the applicable product detail specification.	Per product specification standard
7.Resistance to solvents	MIL-STD-202 Method 215	Immerse into solvent for 3±0.5 minutes & brush 10 times for 3 cycles.	1.No body change in apperarence. 2.No marking blurred. 3.Inductance shall not change more than ±20%.
8.Vibration Test	MIL-STD-202 Method 204	1.Frequency and Amplitued : 10-2000-10 Hz, 1.5 mm. 2.Direction:X, Y, Z 3.Test duration:2 hours for each direction, 6 hours in total.	1.No mechanical and electrical damage. 2.Inductance shall not change more than ±20%.
9.Resistance To Soldering Heat Test	MIL-STD-202 Method 210	1.Method : Dip 2.Temperature : 260±5 3.Time (temp. ≥ 260°C) : 10 second. 4.Number of times : 3 times.	1.No mechanical and electrical damage. 2.Inductance shall not change more than ±20%.
10.Rated current	MIL-STD-202 Method 330	Apply rated current for 5 second.	1.No mechanical and electrical damage. 2.Inductance shall not change more than ±20%.
11.Temperature rise	MIL-PRF-27	Apply rated current for 10 minutes.	1.No mechanical and electrical damage. 2.Inductance shall not change more than ±20%.
12.Over load	MIL-PRF-27	Apply double as rated current for 5 minutes. (It's not application to some special design)	1.No mechanical and electrical damage. 2.Inductance shall not change more than ±20%.
13.Solderability Test	J-STD-002	Dip pads in flux then dip in solder pot at 240±5 for 5 seconds.	Teminals area must have 95% min. Solder coverage.
14.Electrical Characteriazation	User Spec.	1.Operating temperature : -40°C ~125°C 2.Room temperature : 25°C.	1.No mechanical and electrical damage. 2.Inductance shall not change more than ±20%.
15.Withstanding Voltage Test	MIL-STD-202 Method 201	1.DC:500V 2.Time:1minutes	1.During the test no breakdown. 2.The characteristic is normal after test.
16.Drop	JESD22-B111	Packaged & Drop down from 1m.In 1 angle Iridges & 2 surfaces orientation.	1.No case deformation or change in appearance. 2.Inductance shall not change more than ±20%.
17.Terminal Strength Test	JIS-C-6429	1.Apply push force to samples mounted on PCB. 2.Force of 1.8 kg for 60±1 seconds.	After test, inductors shall be no mechanical damage.

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