

## Description

- Metalized drum core design utilizes board space
- Current Range up to 4.94 Amps
- Low profile 4.80mm Max (H).

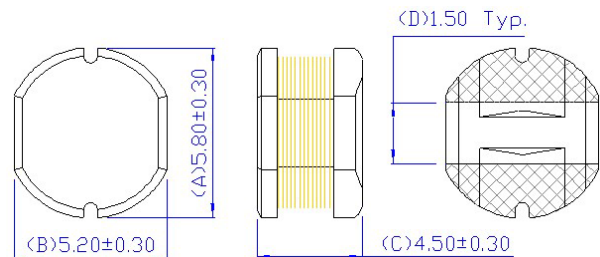
## Applications

- Mainly used by power supply for VRT,OA equipment
- Digital camera, LCD television set notebook PC,
- part able communication equipments, DC/DC converters, etc.

## Environmental Data

- Storage temperature: -25°C to +85°C
- Operating ambient temperature: -20°C to +80°C (Range is application specific).
- Temperature rise is approximately 40°C at rated I<sub>rms</sub> current.
- Solder reflow temperature: 260°C max. for 10 seconds max.
- Compliant with RoHS legislation and also support lead-free soldering

## Mechanical Diagrams (Unit:mm)



Part No.	Inductance <sup>(1)</sup> (μH)	DC Resistance <sup>(2)</sup> (Ω) Max	Isat <sup>(3)</sup> A dc Max	I <sub>rms</sub> <sup>(4)</sup> (A dc) Max
D DLG0504-001.0	1.0±20%	0.009	4.94	4.59
D DLG0504-001.4	1.4±20%	0.010	4.28	4.29
D DLG0504-002.2	2.2±20%	0.015	3.38	3.53
D DLG0504-003.3	3.3±20%	0.021	2.79	3.05
D DLG0504-004.7	4.7±20%	0.028	2.38	2.61
D DLG0504-006.8	6.8±20%	0.046	1.95	2.05
D DLG0504-008.2	8.2±20%	0.054	1.74	1.89
D DLG0504-010.0	10±10%	0.066	1.57	1.70
D DLG0504-015.0	15±10%	0.11	1.31	1.33
D DLG0504-022.0	22±10%	0.14	1.09	1.17
D DLG0504-033.0	33±10%	0.17	0.88	1.07
D DLG0504-047.0	47±10%	0.24	0.74	0.89
D DLG0504-068.0	68±10%	0.36	0.61	0.73
D DLG0504-082.0	82±10%	0.41	0.56	0.68
D DLG0504-100.0	100±10%	0.47	0.51	0.64
D DLG0504-150.0	150±10%	0.71	0.41	0.52
D DLG0504-220.0	220±10%	1.08	0.34	0.42
D DLG0504-330.0	330±10%	1.65	0.28	0.34
D DLG0504-470.0	470±10%	2.48	0.23	0.28
D DLG0504-680.0	680±10%	3.64	0.19	0.23
D DLG0504-820.0	820±10%	4.15	0.18	0.22
D DLG0504-1000	1000±10%	5.62	0.16	0.18

## Notes:

- 1) Open Circuit Inductance Test Parameters: 100kHz, 0.25V<sub>rms</sub>, 0.0A<sub>dc</sub>, Test Equipment : HP4284A or WK3260B LCR Meter.
- 2) DCR limits @ 20°C. Test Equipment: CH502BC.
- 3) Isat current for an approximate 10% rolloff at 20°C
- 4) I<sub>rms</sub> current for for an approximate T of 40°C. It is recommended that the temperature of the part not exceed 125°C