

Description

- Metalized drum core design utilizes board space
- Current Range up to 6.00 Amps
- Low profile 3.80mm Max (H).

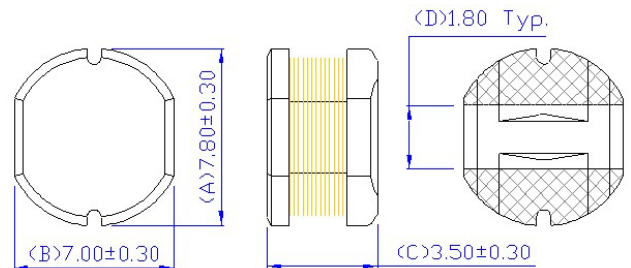
Applications

- 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_{rms} 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 ⁽¹⁾ (μH)	DC Resistance ⁽²⁾ (Ω) Max	Isat ⁽³⁾ A dc) Max	I _{rms} ⁽⁴⁾ (A dc) Max
D DLG0703-001.0	1.0±20%	0.010	6.00	3.58
D DLG0703-001.5	1.5±20%	0.013	4.91	3.14
D DLG0703-002.2	2.2±20%	0.015	4.16	2.77
D DLG0703-003.3	3.3±20%	0.023	3.18	2.25
D DLG0703-004.7	4.7±20%	0.026	2.84	2.09
D DLG0703-006.8	6.8±20%	0.039	2.16	1.73
D DLG0703-008.2	8.2±20%	0.046	2.00	1.59
D DLG0703-010.0	10±10%	0.055	1.75	1.45
D DLG0703-015.0	15±10%	0.072	1.46	1.26
D DLG0703-022.0	22±10%	0.10	1.20	1.06
D DLG0703-033.0	33±10%	0.15	0.98	0.86
D DLG0703-047.0	47±10%	0.20	0.83	0.76
D DLG0703-068.0	68±10%	0.32	0.67	0.61
D DLG0703-082.0	82±10%	0.41	0.60	0.53
D DLG0703-100.0	100±10%	0.46	0.56	0.50
D DLG0703-150.0	150±10%	0.70	0.45	0.41
D DLG0703-220.0	220±10%	1.1	0.37	0.33
D DLG0703-330.0	330±10%	1.6	0.31	0.27
D DLG0703-470.0	470±10%	2.4	0.25	0.22

Notes:

- 1) Open Circuit Inductance Test Parameters: 100kHz, 0.25V_{rms}, 0.0A_{dc}, 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_{rms} current for for an approximate T of 40°C. It is recommended that the temperature of the part not exceed 125°C