



Drum Core Inductors

- DOI 3800-G Series



Description

- Smallest possible size, low cost and high performance inductors
- High energy storage and very low resistance feature is ideal for DC-DC converters
- All materials rated for 180°C



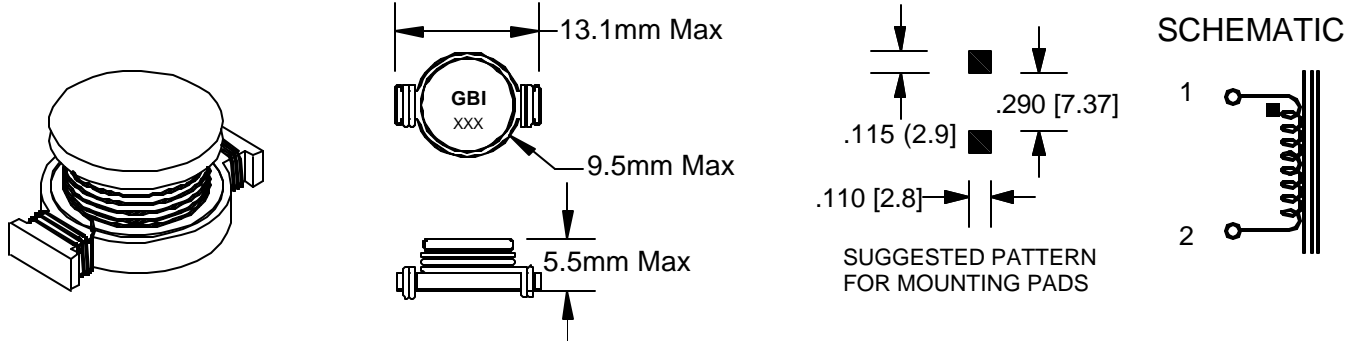
Applications

- Notebook Computers
- PDAs
- Step-up, step-down converters
- Flash memory programmers

Packing:

- 24mm x 16mm tape on 330mm reel, 650 parts per reel

Mechanical Drawing



Electrical Specification @ 20° C

Part Number	Inductance (μH±20%)	DCR (Ω Maximum)	Max Current -DC Component (mA)	Inductance Code
IDO 3800-G	1.0	0.009	9.0	102
IDO 3801-G	1.5	0.010	8.0	152
IDO 3802-G	2.2	0.012	7.0	222
IDO 3803-G	3.3	0.015	6.4	332
IDO 3804-G	4.7	0.018	5.4	472
IDO 3805-G	6.8	0.027	4.6	682
IDO 3806-G	10	0.038	3.8	103
IDO 3807-G	15	0.046	3.0	153
IDO 3808-G	22	0.085	2.6	223
IDO 3809-G	33	0.100	2.0	333
IDO 3810-G	47	0.140	1.6	473
IDO 3811-G	68	0.200	1.4	683
IDO 3812-G	100	0.280	1.2	104
IDO 3813-G	150	0.400	1.0	154
IDO 3814-G	220	0.610	0.8	224
IDO 3815-G	270	0.850	0.7	274
IDO 3816-G	330	1.020	0.6	334
IDO 3817-G	470	1.270	0.5	474
IDO 3818-G	680	2.020	0.4	684
IDO 3819-G	1000	3.000	0.3	105

Note: Since Device temperature rise is almost 100% application dependent. Measurements within system should be performed to ensure proper application. Presence or absence of air flow, encapsulation material and size of land patterns are just a few of these factors.

Inductance code is stamped on the top surface.

Storage and Handling Information:

<http://www.GBInt.com/storage.htm>