



Dual Inductors

- SLI 4415-G Series



Description

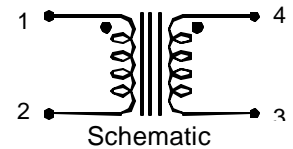
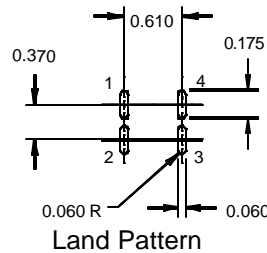
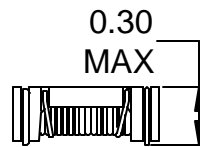
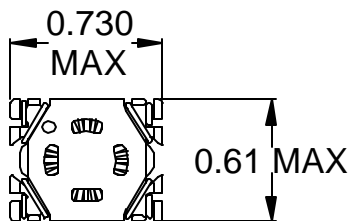
- Low Profile, self-leaded design
- Suited for IR and vapor reflow solder
- The materials meet UL 94V-0 rating
- Toroid winding virtually eliminates stray electromagnetic emissions.
- Designed for exceptionally high current handling.
- Frequency range up to 1MHz



Application

- Laptop & notebook computers

Mechanical Drawing



Electrical Properties

Part Number	I _{DC} * (A)	L _{DC} (μH)	ET (VμSec)	Storage Capacity (μJoules)	Inductance @ 0 A _{DC} (μH ±20%)	DCR (Ω Max.)	100 Gauss ET ₁₀₀ (VμSec)	1 Amp DC H1 (Orsted)	Hookup
DLI 4415-G	14.40	1.5	4.80	159.01	2.2	4.41	1.71	3.77	parallel
DLI 4216-G	11.20	2.4	6.00	152.83	3.5	6.54	2.14	4.71	parallel
DLI 4217-G	8.20	4.2	7.85	142.57	5.9	10.47	2.78	6.12	parallel
DLI 4218-G	6.80	5.8	9.05	133.80	7.9	14.94	3.21	7.06	parallel
DLI 4219-G	5.70	7.6	10.25	124.18	10.1	20.99	3.64	8.00	parallel
DLI 4220-G	5.40	12.1	13.85	176.62	18.5	23.24	4.92	10.83	parallel
DLI 4221-G	4.40	18.0	16.50	174.26	27.4	38.15	5.99	13.18	parallel
DLI 4222-G	3.54	27.0	20.50	169.14	40.5	52.21	7.27	16.01	parallel
DLI 4223-G	3.00	34.8	22.50	156.47	50.5	73.89	8.13	17.89	parallel
DLI 4415-G	7.20	6.1	9.60	159.01	9.0	17.60	3.42	7.53	series
DLI 4216-G	5.60	9.7	12.00	152.83	14.0	26.20	4.28	9.42	series
DLI 4217-G	4.10	17.0	15.70	142.57	23.7	41.90	5.56	12.24	series
DLI 4218-G	3.40	23.1	18.10	133.80	31.5	59.70	6.42	14.12	series
DLI 4219-G	2.85	30.6	20.50	124.18	40.5	84.00	7.27	16.01	series
DLI 4220-G	2.70	48.5	27.70	176.62	74.1	93.00	9.84	21.66	series
DLI 4221-G	2.20	72.0	33.00	174.26	109.8	152.60	11.98	25.36	series
DLI 4222-G	1.77	108.0	41.00	169.14	161.8	212.80	14.55	32.01	series
DLI 4223-G	1.50	139.1	45.00	156.47	202.2	295.60	16.26	35.78	series

Note:

- The reference inductance is a typical value at the AC and DC excitation listed
- Temperature rise is 55°C in typical buck or boost circuits at 100KHz and with the reference ET applied to the inductor
- Total loss in the inductor is 634 mWatts for a 55°C temperature rise above ambient
- The maximum DCR listed is approximately 17% over the nominal DCR

Packaging

- 300 pcs per reel

Storage & Handling Information

- See detail visit our web page at http://www.gbint.com/files/data/Storage_Handling/Storage_Handling.pdf