



PL 16 SERIES

SELF-LEADED SMT
TOROIDAL INDUCTOR



RoHS VERSION AVAILABLE

COTS+

Inductance Range (uH)	DCR max (Ohms)	Rated Current (Amps)
0.40 to 1210.0	0.005 to 5.725	0.11 to 5.5

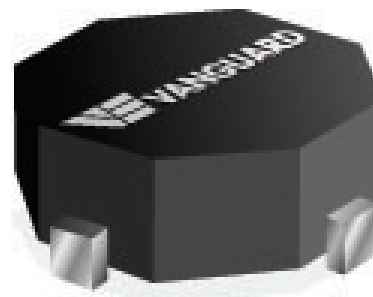
ELECTRICAL SPECIFICATIONS

- **Operating Temperature:** -40°C to +125°C
- **Storage Temperature:** -45°C to +130°C
- **Temperature Rise @ 85°C:** 40°C
- **Inductance at rated DC:** ± 20%
- **Different electrical values available upon request**

FEATURES

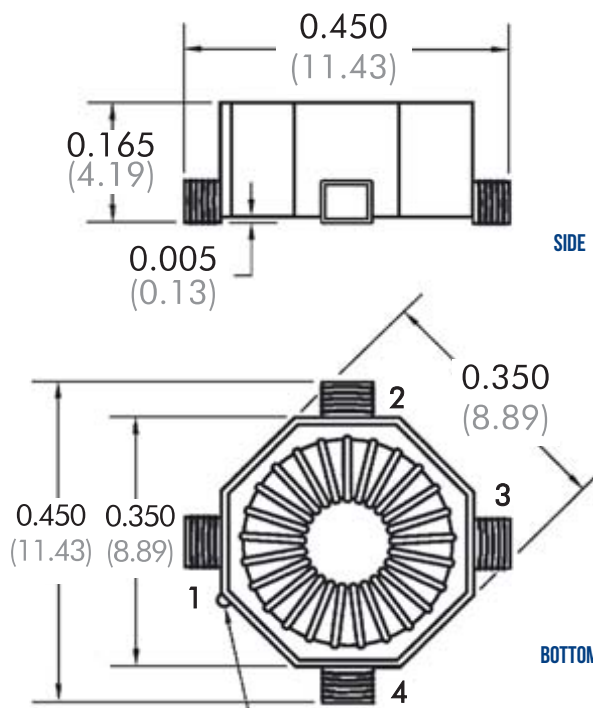
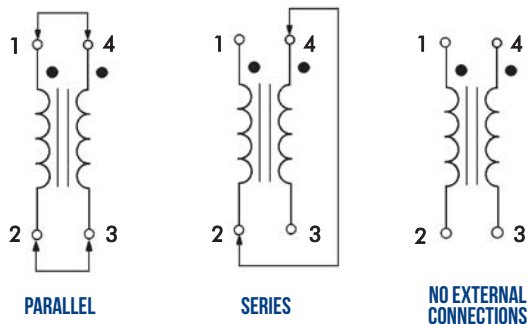
- Ideal for automatic placement
- **Terminations:** Tin-lead
- **Other termination finishes available**

MARKINGS: LASER ETCH OR INK



PACKAGE B411

TYPICAL USER CONNECTIONS



Dimensions in Inches. Tolerances ± .010 (unless otherwise stated)

CUSTOM DESIGNS & MODIFICATIONS:

Other electrical configurations and performance characteristics are available in various sizes and package types

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DATA TABLE

PARALLEL

Vanguard P/N	Inductance @ 0 Amps (uH $\pm$ 20%)	Inductance @ Rated DCA min (uH)	Rated Current (Amps) DC	DCR max (Ohms)
PL16-01	0.40	0.26	5.5	0.005
PL16-02	0.63	0.41	4.5	0.006
PL16-03	0.90	0.56	4.2	0.007
PL16-04	2.03	1.00	4.1	0.011
PL16-05	4.90	2.66	2.3	0.031
PL16-06	8.10	4.08	2.0	0.040
PL16-07	10.00	4.85	1.9	0.044
PL16-08	14.40	8.74	1.1	0.080
PL16-09	19.60	11.54	1.00	0.146
PL16-10	25.60	16.35	0.74	0.167
PL16-11	32.40	19.84	0.72	0.293
PL16-12	50.63	29.34	0.64	0.366
PL16-13	67.60	39.73	0.54	0.517
PL16-14	99.23	58.72	0.44	0.785
PL16-15	148.23	85.16	0.38	0.966
PL16-16	202.50	107.60	0.37	1.142
PL16-17	302.50	191.38	0.22	1.432

SERIES

Vanguard P/N	Inductance @ 0 Amps (uH $\pm$ 20%)	Inductance @ Rated (Amps) DC	Rated Current (Amps) DC	DCR max (Ohms)
PL16-01	1.6	1.05	2.75	0.020
PL16-02	2.5	1.63	2.25	0.024
PL16-03	3.6	2.24	2.10	0.028
PL16-04	8.1	4.01	2.05	0.044
PL16-05	19.6	10.64	1.15	0.122
PL16-06	32.4	16.34	1.00	0.158
PL16-07	40.0	19.40	0.95	0.176
PL16-08	57.6	34.96	0.55	0.319
PL16-09	78.4	46.15	0.50	0.584
PL16-10	102.4	65.42	0.37	0.667
PL16-11	129.6	79.37	0.36	1.171
PL16-12	202.5	117.38	0.32	1.462
PL16-13	270.4	158.92	0.27	2.065
PL16-14	396.9	234.88	0.22	3.137
PL16-15	592.9	340.64	0.19	3.862
PL16-16	810.0	430.39	0.19	4.567
PL16-17	1210.0	765.54	0.11	5.725

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