



PL 15 SERIES

LOW PROFILE SURFACE MOUNT



COTS +

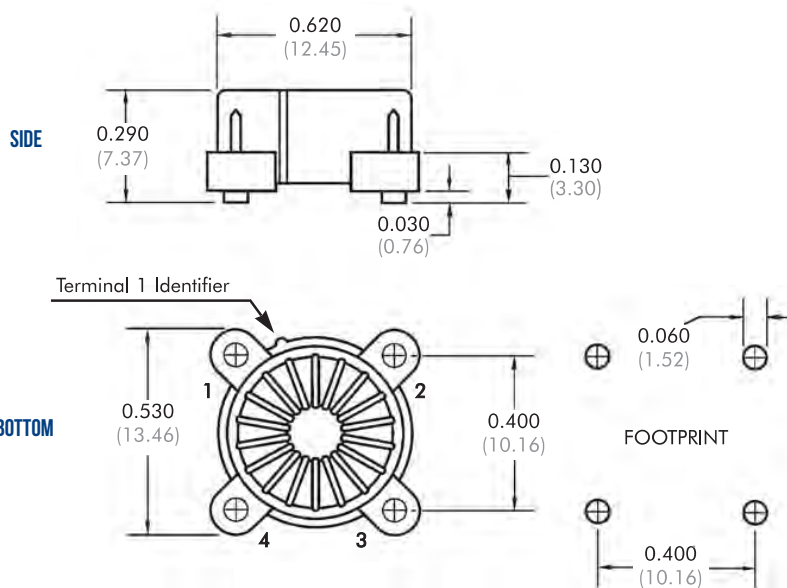
ELECTRICAL SPECIFICATIONS

- **Operating Temperature:** -40°C to +85°C
- **Storage Temperature:** -45°C to +90°C
- **Dielectric Withstanding Voltage:** 500 V_{AC}
- **Different electrical values available upon request**

FEATURES

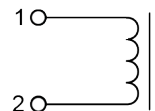
- **Compact**, low profile, ideal for automatic placement
- Compatible with all standard solder installation methods.
- **Terminations:** Tin-lead
- **Magnetically shielded**
- **Other termination finishes available**
- **Order** to VE part number

Inductance Range (uH)	DCR (Ohms)	Current Rating (mA)
5.0 to 1500	0.030 to 2.68	135 to 2360

Dimensions: inches
(mm)

Tolerances (unless otherwise stated) ±.010 inches, ±.25 mm.

SCHEMATIC



PINS 3 & 4 ARE N/C

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REV B





DATA TABLE

Vanguard P/N	Inductance $\pm 10\%$ (μH)	DCR max (Ohms)	Rated Current max (mA)
PL15-01	5.0	0.030	2360
PL15-02	5.6	0.033	2160
PL15-03	6.8	0.036	2000
PL15-04	8.2	0.039	1860
PL15-05	10	0.044	1630
PL15-06	12	0.047	1530
PL15-07	15	0.052	1370
PL15-08	18	0.058	1240
PL15-09	20	0.077	1180
PL15-10	22	0.080	1130
PL15-11	25	0.087	1040
PL15-12	27	0.090	1000
PL15-13	30	0.093	960
PL15-14	33	0.096	930
PL15-15	39	0.106	840
PL15-16	47	0.113	765
PL15-17	50	0.117	745
PL15-18	56	0.123	700
PL15-19	68	0.173	635
PL15-20	75	0.182	605
PL15-21	82	0.190	580
PL15-22	100	0.210	520
PL15-23	120	0.224	480
PL15-24	150	0.315	425
PL15-25	180	0.340	395
PL15-26	200	0.460	370
PL15-27	220	0.484	350
PL15-28	250	0.510	330
PL15-29	270	0.670	315
PL15-30	300	0.700	300
PL15-31	330	0.73	290
PL15-32	350	0.75	280
PL15-33	390	0.98	265
PL15-34	470	1.07	245
PL15-35	500	1.10	235
PL15-36	560	1.17	220
PL15-37	680	1.32	200
PL15-38	750	1.40	190
PL15-39	820	1.46	183
PL15-40	1000	2.18	165
PL15-41	1200	2.40	150
PL15-42	1500	2.68	135

Inductance measured at 10 kHz, 0.1 Vrms

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