



PL77 SERIES

SELF-LEADED SMT



RoHS & XT VERSIONS AVAILABLE

COTS +

Inductance Range (uH)	DCR (Ohms)	Current Rating (Amps)
1.1 to 1950	.008 to 1.70	0.71 to 8.00

ELECTRICAL SPECIFICATIONS

- **Operating Temperature:** -55°C to +130°C
- **Storage Temperature:** -60°C to +135°C
- **Temperature Rise @ 85°C:** < 45°C
- **Insulation Resistance:** 100 MOhms minimum
- **Standard Inductance Tolerance:** ± 20%
- **Dielectric Withstanding Voltage:** 1250 V_{RMS}
- **Different electrical values available upon request**

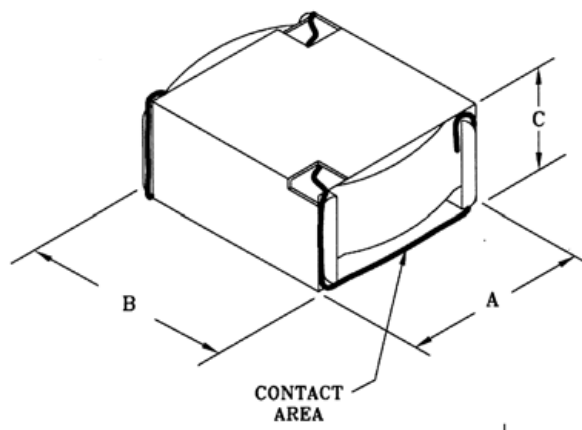
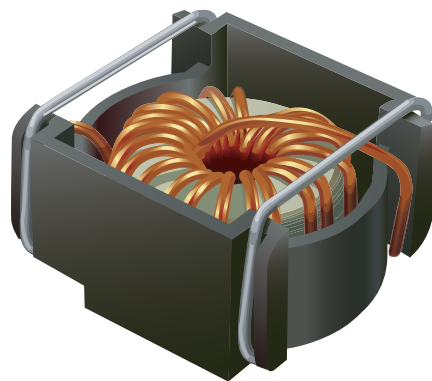
FEATURES

- **Compact**, low profile, ideal for automatic placement
- **Terminations:** Tin-lead
- **Magnetically shielded**
- **Other termination finishes available**
- **Order** to VE part number

APPLICATIONS

- Filter inductors
- Power supplies
- Ripple suppressors
- DC/DC converters
- SEPIC converters

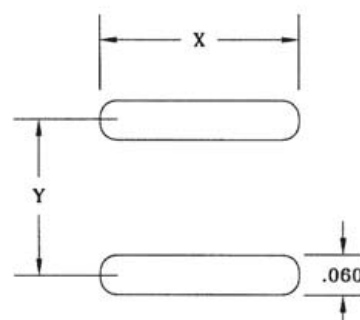
MARKINGS: LASER ETCH OR INK



Case Size	A (in.)	B (in.)	C (in.)	X (in.)	Y (in.)
B201	0.330	0.330	0.240	0.300	0.270
B202	0.425	0.430	0.310	0.400	0.360
B203	0.545	0.550	0.310	0.520	0.460
B204	0.575	0.600	0.350	0.550	0.510
B205	0.650	0.680	0.350	0.620	0.590

Tolerances .XXX ± .010

RECOMMENDED PAD MOUNTING



CUSTOM DESIGNS & MODIFICATIONS:

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

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DATA TABLE

Vanguard P/N	Rated Current max (DCA)	Inductance @ 0 Amps DC (uH)	Inductance @ Rated Current (uH)	DCR max (Ohms)	Case Size
PL77-01	3.40	1.1	1.01	.011	B201
PL77-02	1.40	7.0	6.2	.070	B201
PL77-03	1.00	22.7	17.6	.125	B201
PL77-04	4.80	5.2	3.8	.018	B202
PL77-05	2.80	12.3	9.4	.044	B202
PL77-06	1.40	35.3	29.7	.166	B202
PL77-07	0.94	167	114	.380	B202
PL77-08	8.00	3.8	2.5	.008	B203
PL77-09	5.40	7.5	5.1	.018	B203
PL77-10	2.70	21.9	16.2	.063	B203
PL77-11	1.30	73.0	58.1	.290	B203
PL77-12	0.90	292	192	.560	B203
PL77-13	0.72	672	383	.862	B203
PL77-14	7.80	7.9	4.9	.013	B204
PL77-15	5.50	14.0	9.0	.023	B204
PL77-16	2.70	40.5	29.1	.085	B204
PL77-17	0.74	1134	645	1.25	B204
PL77-18	7.20	16.0	9.3	.019	B205
PL77-19	5.10	25.9	16.1	.032	B205
PL77-20	2.60	72.9	50	.133	B205
PL77-21	0.71	1950	1070	1.70	B205

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