SMT POWER INDUCTORS
P0250 Series

Pulse
A TECHNITROL COMPANY

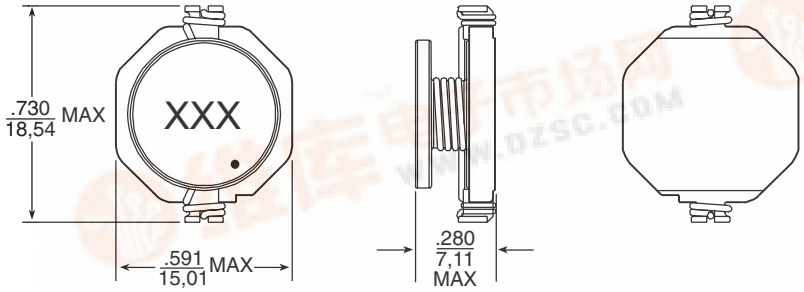
- Reliable self-leads
- High energy storage and low DC resistance
- Ideal for DC/DC conversion in notebook computers, PDA's, step-up or step-down converters

Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

Part Number	Inductance @ I_{PK} A_{DC} (µH ± 15%)	DCR (MAX) (mΩ)	I_{PK} (A)	I_{RMS} (A)	Part Marking
P0250.102T	1.0	9	20.0	8.60	102
P0250.222T	2.2	14	16.0	7.10	222
P0250.332T	3.3	15	14.0	6.20	332
P0250.562T	5.6	20	12.0	5.30	562
P0250.103T	10	31	10.0	4.30	103
P0250.153T	15	36	8.0	4.00	153
P0250.223T	22	47	7.0	3.50	223
P0250.333T	33	66	5.5	3.00	333
P0250.473T	47	86	4.5	2.60	473
P0250.683T	68	130	3.5	2.30	683
P0250.104T	100	190	3.0	1.80	104
P0250.154T	150	250	2.6	1.50	154
P0250.224T	220	380	2.4	1.20	224
P0250.334T	330	560	1.9	1.00	334
P0250.474T	470	850	1.4	0.82	474
P0250.684T	680	1100	1.2	0.72	684
P0250.105T	1000	1800	1.0	0.56	105

NOTES:
1. Inductance tested at 100 kHz, 0.1 V_{RMS}
2. Inductance drop = 10% typical at I_{PK}
3. ΔT = 40°C rise typical at I_{RMS}

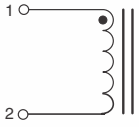
Mechanical



NOTE: Dot indicates start of winding

SUGGESTED PAD LAYOUT

Schematic



Weight . . . . . 3.6 grams
Tape & Reel. 350/reel

Dimensions: Inches / mm
Unless otherwise specified, all tolerances are ± .010 / 0,25