

SMT POWER INDUCTORS

P0648 Series



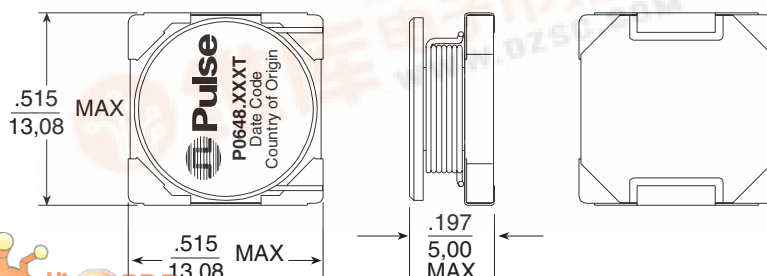
- Very high current ratings, up to 17.7 amps
- Ideal for DC/DC conversion in portable computers, camcorders, PDAs, or other portable communication equipment
- Low profile and small footprint

Electrical Specifications @ 25°C — Operating Temperature -40°C to +130°C

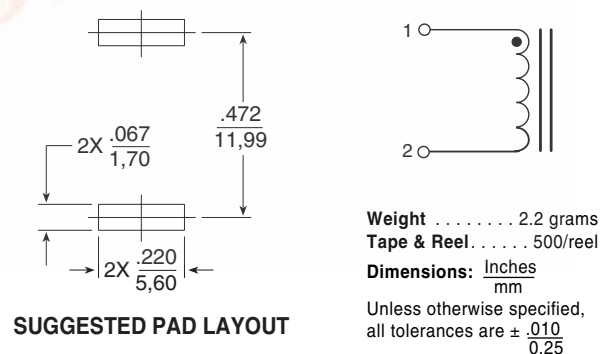
Part Number	Inductance @ $I_{PK} A_{DC}$ ($\mu H \pm 20\%$)	DCR (MAX) (m Ω)	I_{PK} (A)	I_{RMS} (A)
P0648.102T	1.05	5.5	17.7	12.2
P0648.192T	1.9	7.5	12.9	9.6
P0648.282T	2.8	9.8	10.5	8.1
P0648.342T	3.4	9.6	9.1	7.6
P0648.462T	4.6	15.5	7.8	6.5
P0648.682T	6.8	22	6.6	5.1
P0648.103T	10.2	33	5.4	4.3
P0648.153T	15.2	44	4.4	3.6
P0648.223T	22	61	3.7	3.3
P0648.323T	32	90	2.9	2.5
P0648.463T	46	148	2.4	2.1
P0648.653T	65	166	2.0	1.8
P0648.104T	100	262	1.7	1.4
P0648.154T	152	410	1.3	1.2
P0648.214T	214	557	1.1	1.0
P0648.324T	320	880	0.9	0.9
P0648.454T	450	1230	0.8	0.7
P0648.644T	645	1660	0.6	0.6
P0648.105T	1030	2680	0.5	0.5

NOTES: 1. Inductance tested at 100 kHz, 10 mV_{RMS} 2. Inductance drop = 10% typical at I_{PK}

Mechanical



Schematic



SUGGESTED PAD LAYOUT

Weight 2.2 grams
Tape & Reel 500/reel
Dimensions: Inches mm
Unless otherwise specified,
all tolerances are ± .010 / 0.25