

SHIELDED SMD POWER INDUCTOR



P171207 SERIES



- RoHS Compliant Product
- Inductance measured : $< 100\mu\text{H}$: 100KHz , $0.25\text{V}_{\text{RMS}}$
- Inductance measured : $\geq 100\mu\text{H}$: 1KHz , $0.25\text{V}_{\text{RMS}}$
- Inductance Tolerance: $K=\pm 10\%$, $L=15\pm\%$, $M=\pm 20\%$
Add suffix letter for tolerance after the part number
- I_{RATED} : Max 10% inductance drop and $\Delta T=40^\circ\text{C}$ Temp Rise
- Operating Temperature: -40°C to $+85^\circ\text{C}$

ELECTRICAL SPECIFICATION @ 25°C

PART NO	L $\pm 20\%$ (μH)	DCR Max (W)	RATED I_{DC} (A)
P171207-			
1R0	1.0	0.007	10.5
1R2	1.2	0.007	9.80
2R4	2.4	0.012	8.00
3R5	3.5	0.014	7.50
4R7	4.7	0.016	6.80
6R1	6.1	0.018	6.60
7R6	7.6	0.020	5.90
100	10	0.022	5.40
120	12	0.025	4.90
150	15	0.027	4.50
180	18	0.040	3.90
220	22	0.044	3.60
270	27	0.046	3.40
330	33	0.065	3.00
390	39	0.073	2.75
470	47	0.100	2.50
101	100	0.130	1.60
471	470	0.740	0.79
561	560	1.070	0.73
681	680	1.460	0.67
821	820	1.640	0.60
102	1000	1.820	0.55

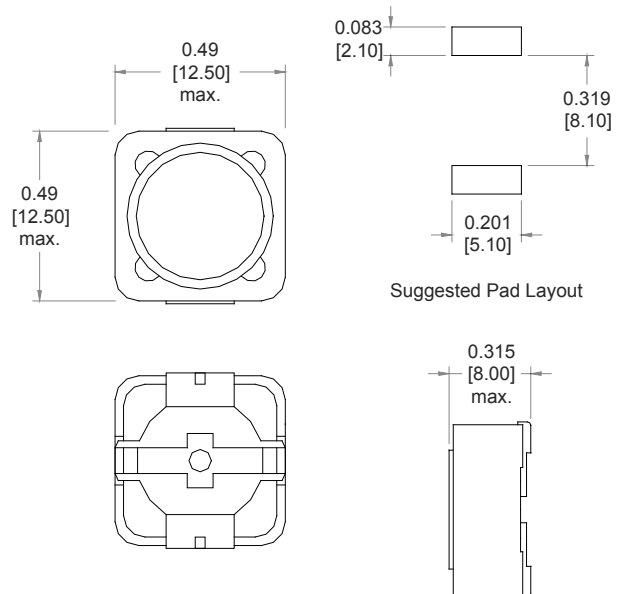
Dimensions

Unless otherwise specified, all tolerances are:

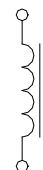
inch: .XX : ± 0.015 .XXX : ± 0.004
mm: X,X : ± 0.38 X,XX : ± 0.10

Product performance is limited to specified parameter. Data is subject to change without prior notice.

Mechanical



Schematic



P171207-XX
0602JW

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