

SHIELDED SMD POWER INDUCTOR



P171004 SERIES

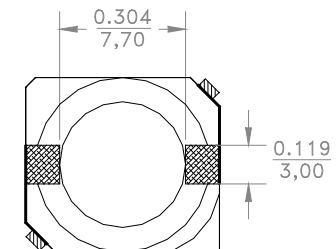
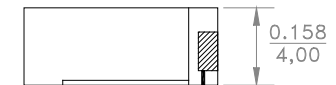
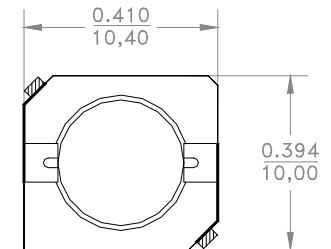


- RoHS Compliant Product
- Inductance measured : $< 100\mu\text{H}$: 100KHz , $0.25\text{V}_{\text{RMS}}$
- Inductance measured : $\geq 100\mu\text{H}$: 1KHz , $0.25\text{V}_{\text{RMS}}$
- Inductance Tolerance: $K=\pm 10\%$, $L=15\pm\%$, $M=\pm 20\%$
Add suffix letter for tolerance after the part number
- 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

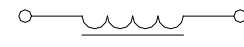
PART NO	L $\pm 20\%$ (μH)	DCR Max (Ω)	RATED I_{DC} (A)
P171004-			
1R0	1.0	0.006	13.60
1R5	1.5	0.008	10.00
2R2	2.2	0.010	7.60
2R4	2.4	0.010	7.50
2R8	2.8	0.011	7.30
3R8	3.8	0.013	6.00
5R2	5.2	0.022	5.50
7R0	7.0	0.027	4.80
100	10	0.035	4.40
150	15	0.050	3.60
220	22	0.073	2.90
330	33	0.093	2.30
470	47	0.128	2.10
680	68	0.213	1.50
101	100	0.304	1.35
151	150	0.506	1.15
221	220	0.756	0.92
331	330	1.090	0.70

Mechanical



BOTTOM
VIEW

Schematic



Dimensions

Unless otherwise specified, all tolerances are:

inch: .XX : ± 0.015 .XXX : ± 0.010
mm: X,X : ± 0.38 X,XX : ± 0.25

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

P171004-XX
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