

ABCO LEAD TYPE POWER INDUCTOR

LPL0916-C Series

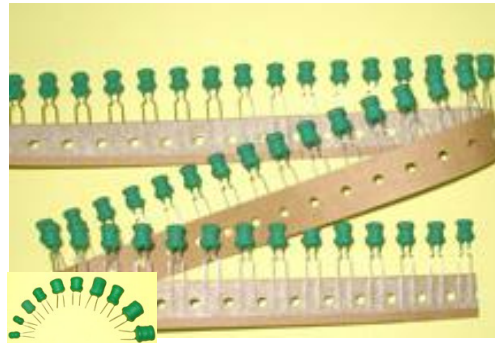
Bulk



Tube



Taping



Sales Dept.

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R&D Dept.

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ABCO ELECTRONICS CO., LTD.

Leaded power inductor



<http://www.abco.co.kr>

Leaded type

▼ OPERATION TEMP

LPL0916-C Series : -40°C ~ +105°C (Including self-generated heat)

▼ PRODUCT IDENTIFICATION

<u>LPL</u>	<u>0916</u>	<u>B</u>	<u>B</u>	-	<u>100</u>	<u>M</u>	-	<u>C</u>
①	②	③	④		⑤	⑥		⑦

① Product name (Leaded power inductor)

② Dimensions (Diameter × Height)

0916 : 10.0mm × 16.0mm¹⁾

1) See Dimensions page for height

③ Packing style

B: Straight Bulk type

S : Straight Taping type

T: M-forming Taping type

④ Coating style

Blank : Moulding type

B : Tube type

⑤ Inductance

1R0 : 1.0 μH

100 : 10 μH

101 : 100 μH

102 : 1000 μH

⑥ Tolerance

K : ±10%

M : ±20%

⑦ Applications and Characteristics

C : High current Type

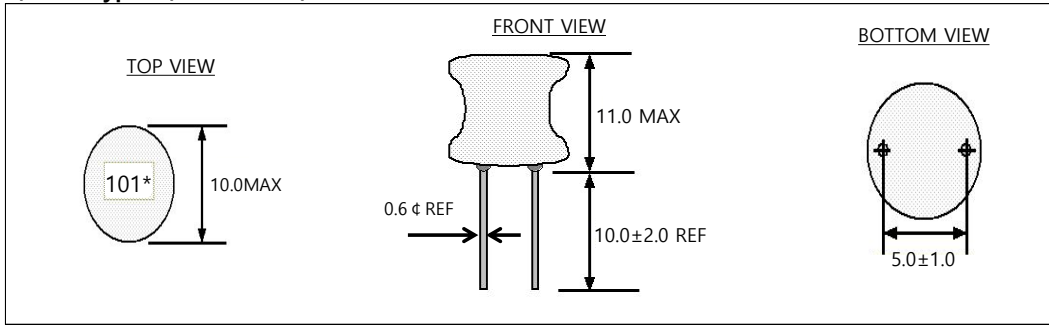
LPL0916-C Series



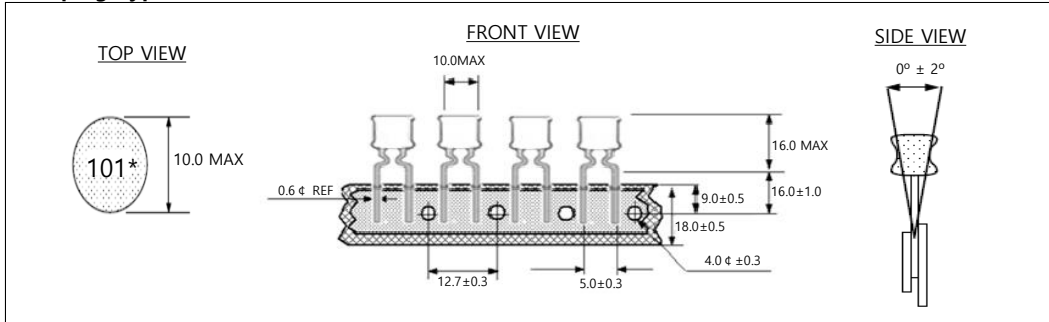
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1. DIMENSIONS (unit : mm)

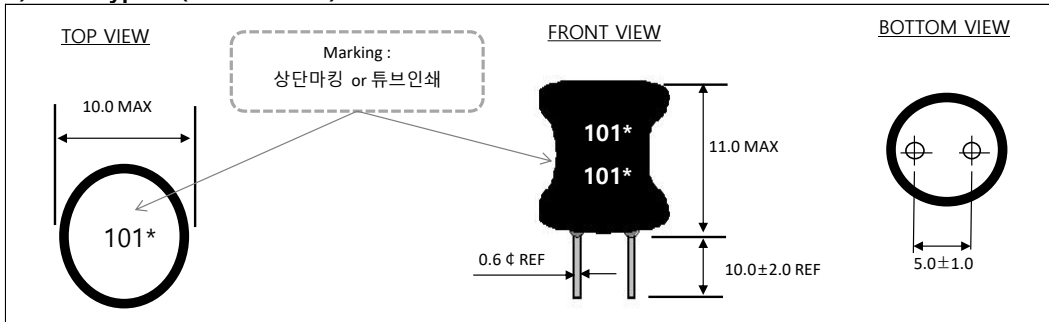
1-1) Bulk Type (LPL0916B-C)



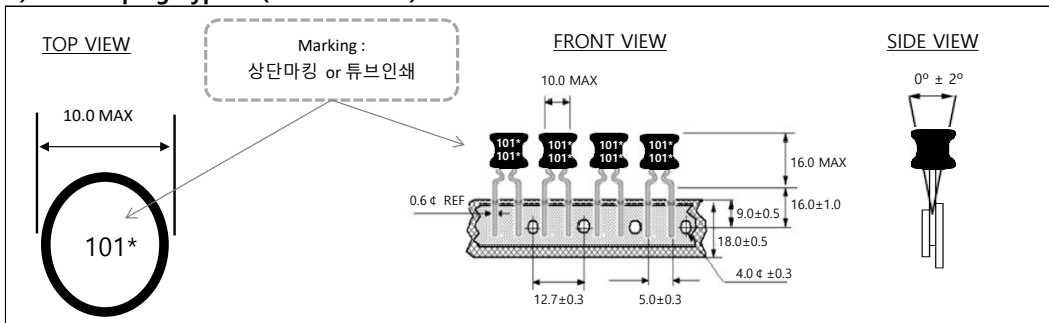
1-2) Taping Type (LPL0916T-C)



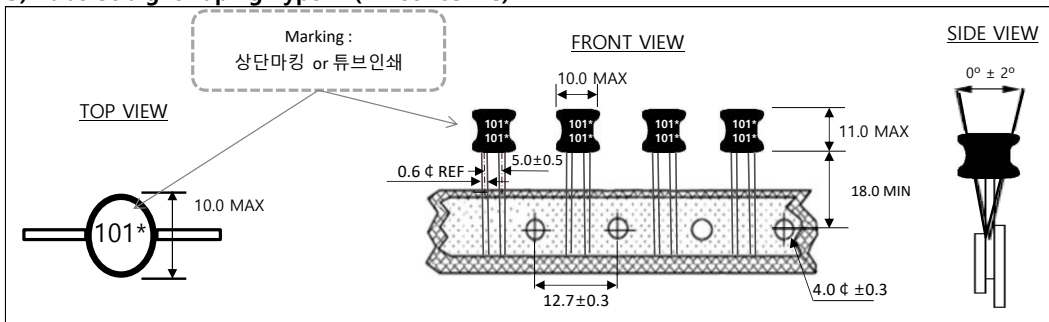
1-3) Tube Type (LPL0916BB-C)



1-4) Tube Taping Type (LPL0916TB-C)



1-5) Tube Straight Taping Type (LPL0916SB-C)



LPL0916-C Series



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2. Electrical Characteristics

Code	Inductance		Freq.	DC Resistance	Rated DC	MAR KING
Code	L (uH)	Tol. (%)	F (KHz)	Rdc(Ω) Max.	current(A) Max.	
LPL0916□□-3R3M-C	1.0	±20	1.0	0.016	6.20	1R0*
LPL0916□□-5R6M-C	2.2			0.020	6.00	2R2*
LPL0916□□-6R8M-C	3.3			0.022	5.80	3R3*
LPL0916□□-100K-C	10	±10		0.030	3.60	100*
LPL0916□□-220K-C	22			0.059	2.35	220*
LPL0916□□-270K-C	27			0.077	1.95	270*
LPL0916□□-330K-C	33			0.088	1.80	330*
LPL0916□□-390K-C	39			0.110	1.65	390*
LPL0916□□-470K-C	47			0.133	1.50	470*
LPL0916□□-560K-C	56			0.144	1.45	560*
LPL0916□□-680K-C	68			0.180	1.17	680*
LPL0916□□-101K-C	100			0.264	1.00	101*
LPL0916□□-121K-C	120			0.337	0.90	121*
LPL0916□□-151K-C	150			0.378	0.84	151*
LPL0916□□-181K-C	180			0.481	0.80	181*
LPL0916□□-221K-C	220			0.588	0.74	221*
LPL0916□□-271K-C	270			0.719	0.66	271*
LPL0916□□-331K-C	330			0.827	0.61	331*
LPL0916□□-391K-C	390			0.938	0.57	391*
LPL0916□□-471K-C	470			1.262	0.52	471*
LPL0916□□-561K-C	560			1.408	0.44	561*
LPL0916□□-681K-C	680			1.901	0.41	681*
LPL0916□□-821K-C	820			2.154	0.39	821*
LPL0916□□-102K-C	1000	2.574		0.34	102*	
LPL0916□□-122K-C	1200	3.025		0.32	122*	
LPL0916□□-152K-C	1500	3.744		0.28	152*	
LPL0916□□-182K-C	1800	4.990		0.23	182*	
LPL0916□□-202K-C	2000	5.360		0.22	202*	
LPL0916□□-222K-C	2200	5.752		0.21	222*	

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Code	L (uH)	Tol. (%)	F (KHz)	Rdc(Ω) Max.	current(A) Max.	
LPL0916□□-272K-C	2700			6.550	0.192	272*
LPL0916□□-302K-C	3000			7.817	0.191	302*
LPL0916□□-332K-C	3300	±10	1.0	8.399	0.190	332*
LPL0916□□-472K-C	4700			13.154	0.150	472*
LPL0916□□-103K-C	10000			25.351	0.095	103*

▼ Test Equipments

. L : HIOKI 3511-50 Precision LCR Meter

. Rdc : HIOKI 3541 m Ω HiTESTER

. Idc : Agilent 4284A Precision LCR meter + 42841A Bias current source or equivalent

▼ Test Condition

. Idc(The saturation current) : $\Delta L \leq 20\%$ reduction from initial $L \pm 20\%$ value

$\Delta L \leq 10\%$ reduction from initial $L \pm 10\%$ value

※ Rated DC current : Idc

▼ Operating Temperature Range

-40 ~ +105°C (Including self-generated heat)