

## RCB1415U SERIES~ Through Hole Power Inductors



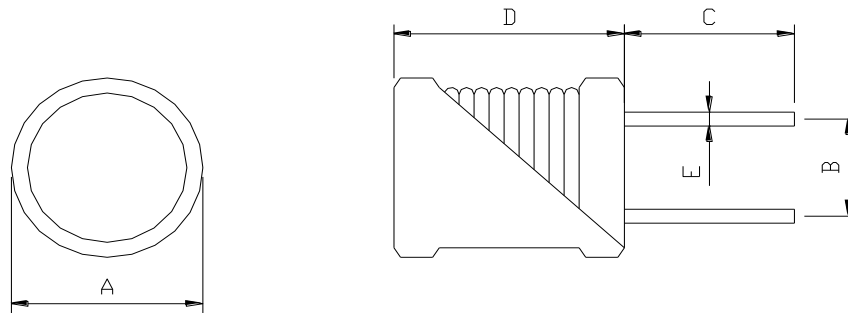
### PART NUMBERING SYSTEM

<b>RCB</b>	<b>1415U</b>	—	<b>102K</b>	—	<b>LF</b>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

**U : UL Tube ; P : PET Tube**

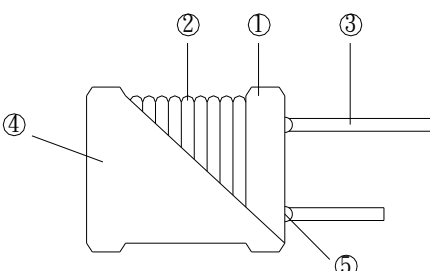
### SHAPES AND DIMENSIONS

UNIT : mm



A= 16.0 Max. , B= 8.0±0.5 , C= 15.0±5.0 , D= 18.0 Max. , E= 1.0 Ref.

### STRUCTURAL DIAGRAM :

	COMPONENT	MATERIALS
①	1.Core	Ferrite core
②	2.Wire	Polyurethane enameled copper wires
③	3.Lead wire	Tinned copper wires
④	4.Tube	Heat shrinkable tube, PVC or UL
⑤	5.Glue	Epoxy resin

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### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE ( $\mu$ H)	DCR (m $\Omega$ ) (max)	IDC ( A ) (max)	TEST FREQ. ( f )
RCB1415-100M-LF	10	30	4.0	1KHz
RCB1415-250K-LF	25	50	3.0	1KHz
RCB1415-500K-LF	50	76	2.0	1KHz
RCB1415-101K-LF	100	115	1.5	1KHz
RCB1415-251K-LF	250	220	1.0	1KHz
RCB1415-501K-LF	500	500	0.7	1KHz
RCB1415-102K-LF	1000	1000	0.5	1KHz

1. Inductors Tolerance : K = +/-10% ; M=+/-20%
2. Operating temperature range -40°C to +85°C
3. Electronical specifications at 25°C