

# SMD POWER INDUCTORS" LowProfile"

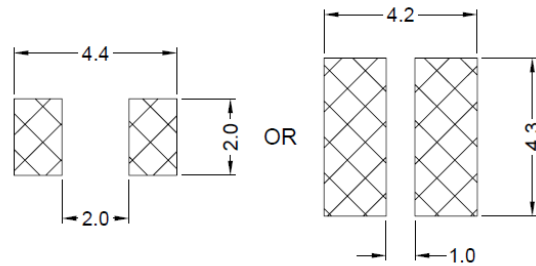
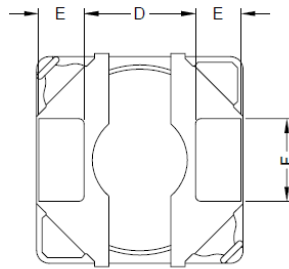
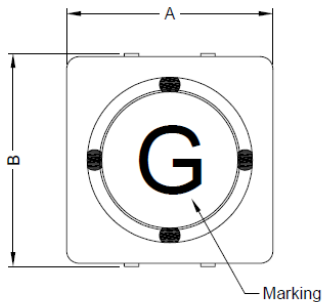
**SERIE:** DLI4018 4,0 x 4,0 x 1,8 mm

## DIMENSIONS:

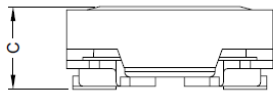
VPE: 3000 pcs.



RoHS Compliant



Recommended PCB Pattern



Unit:m/m

A	B	C	D	E	F	G
4.0±0.2	4.0±0.3	1.8 Max.	2.1 Typ	0.96 Typ	1.6 Typ	1.1 Typ

## SCHEMATIC:



## MATERIALS:

Core: Ferrite

## GENERAL SPECIFICATION :

1. IDC1: Based on inductance change ( $\Delta L/L_0A : \leq 30\%$  ) @ ambient temp. 25°C
2. IDC2: Based on temperature rise ( $\Delta T: 40^\circ\text{C Typ.}$ )
3. Rated Current: IDC1 or IDC2, whichever value is lower
4. Storage temp. : -40°C.....+105°C
5. Operating temp.: -40°C.....+105°C ( include self temp. rise )
6. Resistance to solder heat : 260°C 10sec.

*NOTE : Specifications subject to change without notice. Please check our website for latest information*

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## ELECTRICAL CHARACTERISTICS

Part. No.	Inductance (uH)		Test Frequency ( Hz)	RDC ( mΩ ) ± 20%	IDC (A)	IDC (2)	Marking
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DLI4018 - 1R0SWE	1,0	30%	0,1V / 100K	41	2,7	2,4	A
DLI4018 - 1R2SWE	1,2	30%	0,1V / 100K	46	2,3	2,2	B
DLI4018 - 1R5SWE	1,5	30%	0,1V / 100K	51	2,1	2	C
DLI4018 - 1R8SWE	1,8	30%	0,1V / 100K	55	2	1,9	D
DLI4018 - 2R2SWE	2,2	30%	0,1V / 100K	59	1,9	1,85	E
DLI4018 - 2R7SWE	2,7	30%	0,1V / 100K	67	1,6	1,7	F
DLI4018 - 3R3SWE	3,3	30%	0,1V / 100K	74	1,4	1,6	G
DLI4018 - 3R9SWE	3,9	30%	0,1V / 100K	82	1,3	1,5	H
DLI4018 - 4R7SWE	4,7	20%	0,1V / 100K	99	1,2	1,35	I
DLI4018 - 5R6SWE	5,6	20%	0,1V / 100K	110	1,1	1,25	J
DLI4018 - 6R8SWE	6,8	20%	0,1V / 100K	130	1	1,2	K
DLI4018 - 8R2SWE	8,2	20%	0,1V / 100K	140	0,9	1,1	L
DLI4018 - 100SWE	10	20%	0,1V / 100K	150	0,85	1	M
DLI4018 - 120SWE	12	20%	0,1V / 100K	220	0,8	0,95	N
DLI4018 - 150SWE	15	20%	0,1V / 100K	240	0,7	0,9	O
DLI4018 - 180SWE	18	20%	0,1V / 100K	260	0,65	0,85	P
DLI4018 - 220SWE	22	20%	0,1V / 100K	370	0,55	0,75	Q
DLI4018 - 270SWE	27	20%	0,1V / 100K	420	0,5	0,7	R
DLI4018 - 330SWE	33	20%	0,1V / 100K	480	0,45	0,6	S
DLI4018 - 390SWE	39	20%	0,1V / 100K	520	0,43	0,55	T
DLI4018 - 470SWE	47	20%	0,1V / 100K	620	0,4	0,5	U
DLI4018 - 101SWE	100	20%	0,1V / 100K	1780	0,3	0,35	Y

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