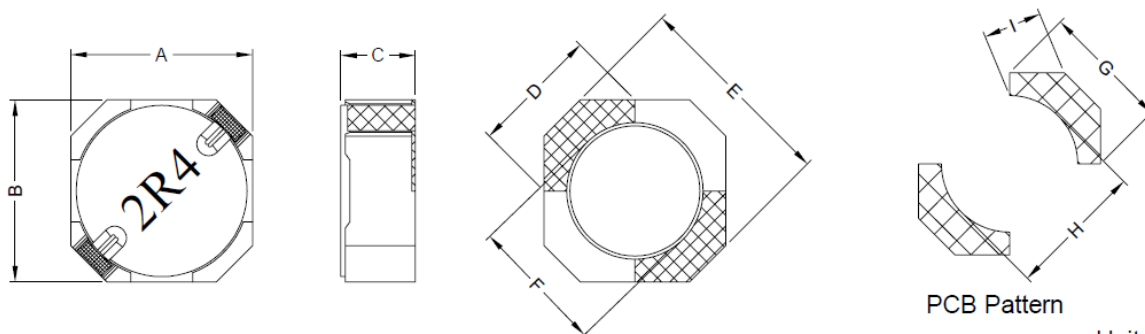


## SMD POWER INDUCTOR

**SERIE:** QLC1005 10,0 x 10,0 x 5,0mm

### DIMENSIONS:

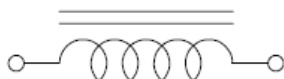
VPE: 600pcs.



Unit:m/m

A	B	C	D	E	F	G	H	I
10.00±0.30	10.00±0.30	5.00 Max.	6.80 Ref.	11.50 Ref.	7.70 Ref.	7.30 Ref.	7.20 Ref.	3.50 Ref.

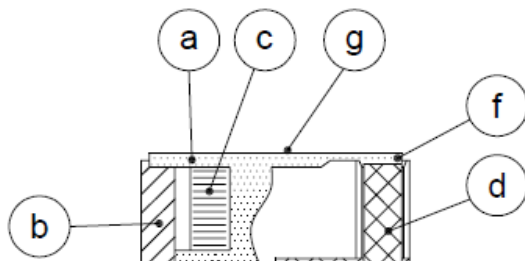
### SCHEMATIC:



### GENERAL SPECIFICATION :

- 1- Temp. rise: 40°C Max. at rated current
- 2- Operating temp. : -40°C to +85°C
- 3- Storage temp. : -40°C to +125°C
- 4- Rated current: Base on temp. rise &  $\Delta L/L0A=35\%$  Typ at Isat.
- 5- Resistance to solder heat: 260°C. 10sec.

### MATERIALS:



- (a) Core : DR Ferrite Core
- (b) Core : RI Ferrite Core
- (c) Wire : Enamelled Copper Wire
- (d) Terminal : Tinned Copper Plate
- (e) Adhesive : Epoxy
- (f) Adhesive : Epoxy
- (g) Ink : Bon Margue

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

## SMD POWER INDUCTOR

**SERIE:** QLC1005 10,0 x 10,0 x 5,0mm



### ELECTRICAL CHARACTERISTICS:

Part No.	Inductance (uH)	Tolerance	Test Frequency (Hz)	SRF (MHz) Typ.	RDC (mΩ) Max	Isat (A)	Irms (A)
QLC1005 - 2R4	2,4	± 30%	1V / 100K	50	12,5	11,5	9,6
QLC1005 - 3R6	3,6	± 30%	1V / 100K	40	15,0	9,4	8,2
QLC1005 - 5R0	5,0	± 30%	1V / 100K	35	16,9	8,0	6,8
QLC1005 - 6R6	6,6	± 30%	1V / 100K	30	22,5	7,1	5,7
QLC1005 - 8R2	8,2	± 30%	1V / 100K	25	28,8	6,3	4,8
QLC1005 - 100	10	± 30%	1V / 100K	22	40,0	5,5	4,3
QLC1005 - 120	12	± 30%	1V / 100K	20	42,5	4,9	3,6
QLC1005 - 150	15	± 30%	1V / 100K	18	46,0	4,5	3,4
QLC1005 - 180	18	± 30%	1V / 100K	16	50,0	4,1	3,2
QLC1005 - 220	22	± 30%	1V / 100K	15	56,0	4,0	2,8
QLC1005 - 270	27	± 30%	1V / 100K	14	63,0	3,6	2,7
QLC1005 - 330	33	± 30%	1V / 100K	12	90,0	3,1	2,1
QLC1005 - 390	39	± 30%	1V / 100K	11	105,0	3,0	1,9
QLC1005 - 470	47	± 30%	1V / 100K	10	120,0	2,6	1,8
QLC1005 - 560	56	± 30%	1V / 100K	9	150,0	2,4	1,6
QLC1005 - 680	68	± 30%	1V / 100K	8	175,0	2,1	1,5
QLC1005 - 820	82	± 30%	1V / 100K	7	220,0	2,0	1,3
QLC1005 - 101	100	± 30%	1V / 100K	6	275,0	1,8	1,1
QLC1005 - 121	120	± 30%	1V / 100K	5	312,5	1,6	1,0

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