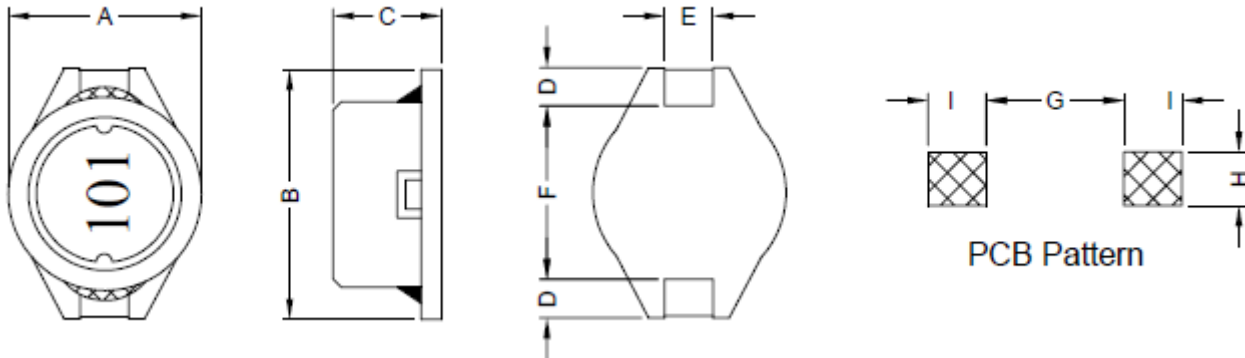


# SMD POWER INDUCTORS

**SERIE:** TLS0805 10,5 x 8,0 x 4,5 mm

## DIMENSIONS:

VPE: 1000pcs.



Unit: mm

A	B	C	D	E	F	G	H	I
8,0 ± 0,2	10,5 ± 0,2	4,5 ± 0,3	2,1 ± 0,2	2,0 ± 0,2	6,0 ± 0,3	5,7 Ref.	2,2 Ref.	2,4 Ref.

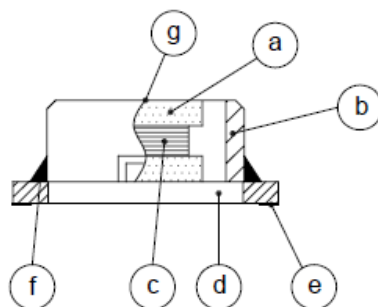
## SCHEMATIC:



## GENERAL SPECIFICATION :

- 1- Temp. rise: 40°C Max.
- 2- Rated current: Base on temp. rise &  $\Delta L/L0A = 10\%$  Max
- 3- Operating temp.: -40°C to + 85°C
- 4- Storage temp.: -40°C to + 125°C
- 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) Base : LCP
- (e) Terminal : Tinned Copper Plate
- (f) Adhesive : Epoxy
- (g) Ink : Bon Margue

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

# SMD POWER INDUCTORS

**SERIE:** TLS0805 10,5 x 8,0 x 4,5 mm



## ELECTRICAL CHARACTERISTICS:

Part No.	Inductance ( $\mu$ H )		Q Ref.	Test Frequency ( Hz. )	SRF (MHz. )	RDC ( m $\Omega$ ) Max	IDC ( A )
TLS0805 - 2R2SWE	2,2	$\pm 30\%$	60	1V / 100K	75	40	2,5
TLS0805 - 3R9SWE	3,9	$\pm 30\%$	60	1V / 100K	50	55	2,1
TLS0805 - 5R6SWE	5,6	$\pm 20\%$	60	1V / 100K	40	65	1,95
TLS0805 - 8R2SWE	8,2	$\pm 20\%$	60	1V / 100K	32	80	1,75
TLS0805 - 100SWE	10	$\pm 20\%$	50	1V / 100K	28	100	1,5
TLS0805 - 120SWE	12	$\pm 20\%$	50	1V / 100K	24	120	1,4
TLS0805 - 150SWE	15	$\pm 20\%$	50	1V / 100K	22	140	1,3
TLS0805 - 180SWE	18	$\pm 15\%$	50	1V / 100K	19	160	1,2
TLS0805 - 220SWE	22	$\pm 15\%$	50	1V / 100K	17	180	1,1
TLS0805 - 270SWE	27	$\pm 15\%$	50	1V / 100K	15,5	200	1
TLS0805 - 330SWE	33	$\pm 15\%$	60	1V / 100K	13,5	240	0,92
TLS0805 - 390SWE	39	$\pm 15\%$	60	1V / 100K	12	260	0,84
TLS0805 - 470SWE	47	$\pm 15\%$	60	1V / 100K	10,5	280	0,75
TLS0805 - 560SWE	56	$\pm 10\%$	60	1V / 100K	9,5	380	0,68
TLS0805 - 680SWE	68	$\pm 10\%$	70	1V / 100K	9	440	0,6
TLS0805 - 820SWE	82	$\pm 10\%$	70	1V / 100K	8,5	550	0,54
TLS0805 - 101SWE	100	$\pm 10\%$	70	1V / 100K	7,5	600	0,5
TLS0805 - 121SWE	120	$\pm 10\%$	70	1V / 100K	7	750	0,45
TLS0805 - 151SWE	150	$\pm 10\%$	70	1V / 100K	6,5	900	0,4
TLS0805 - 181SWE	180	$\pm 10\%$	70	1V / 100K	4,8	1050	0,35
TLS0805 - 221SWE	220	$\pm 10\%$	80	1V / 100K	4,5	1180	0,3
TLS0805 - 271SWE	270	$\pm 10\%$	90	1V / 100K	4,2	1400	0,27
TLS0805 - 331SWE	330	$\pm 10\%$	90	1V / 100K	3,8	1800	0,24
TLS0805 - 391SWE	390	$\pm 10\%$	80	1V / 100K	3,6	2100	0,22
TLS0805 - 471SWE	470	$\pm 10\%$	80	1V / 100K	3,5	2250	0,2
TLS0805 - 561SWE	560	$\pm 10\%$	100	1V / 100K	3	3000	0,18
TLS0805 - 681SWE	680	$\pm 10\%$	90	1V / 100K	2,8	3400	0,17
TLS0805 - 821SWE	820	$\pm 10\%$	90	1V / 100K	2,5	4000	0,16
TLS0805 - 102SWE	1000	$\pm 10\%$	90	1V / 100K	2,2	5000	0,15

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