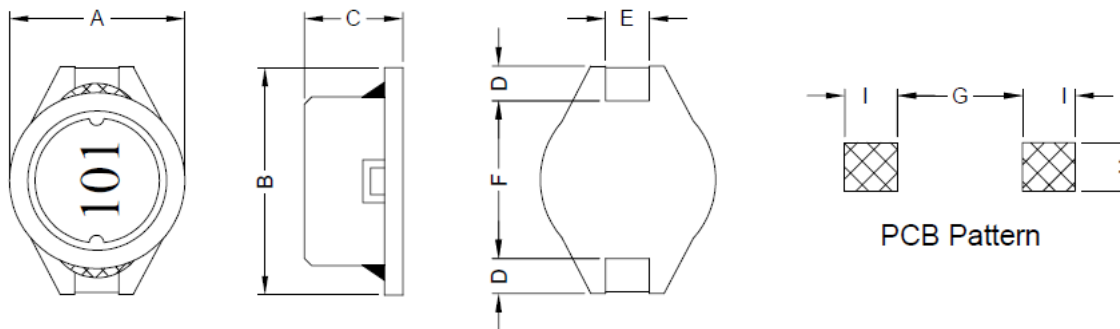


# SMD POWER INDUCTORS

**SERIE:** TLS1005 12,7 x 10,0 x 4,9 mm

## DIMENSIONS:

VPE: 600pcs.



Unit: mm

A	B	C	D	E	F	G	H	I
10.0 Max	12.7 Max.	4,90 Max.	2,40 ± 0,2	2,20 ± 0,2	7,60 ± 0,3	7,3 Ref.	2,8 Ref.	3,0 Ref.

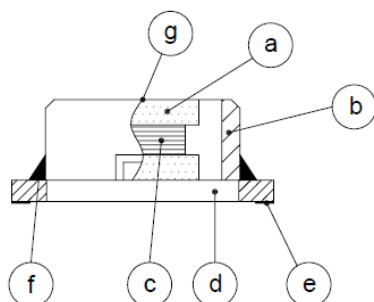
## SCHEMATIC:



## 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:** TLS1005 12,7 x 10,0 x 4,9 mm



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## ELECTRICAL CHARACTERISTICS:

Part No.	Inductance ( $\mu\text{H}$ )		Q Ref.	Test Frequency ( Hz. )	SRF (MHz. )	RDC ( m $\Omega$ ) Max	IDC ( A )
TLS1005 - 1R0SWE	1,0	$\pm 20\%$	50	1V / 100K	130	21	5
TLS1005 - 1R5SWE	1,5	$\pm 20\%$	60	1V / 100K	110	22	4,5
TLS1005 - 2R2SWE	2,2	$\pm 20\%$	70	1V / 100K	90	27	3,1
TLS1005 - 3R0SWE	3,0	$\pm 20\%$	70	1V / 100K	65	30	2,9
TLS1005 - 4R7SWE	4,7	$\pm 20\%$	70	1V / 100K	50	40	2,5
TLS1005 - 6R8SWE	6,8	$\pm 20\%$	70	1V / 100K	30	55	2,2
TLS1005 - 100SWE	10	$\pm 20\%$	60	1V / 100K	28	65	2
TLS1005 - 120SWE	12	$\pm 20\%$	60	1V / 100K	25	80	1,8
TLS1005 - 150SWE	15	$\pm 20\%$	60	1V / 100K	20	85	1,7
TLS1005 - 180SWE	18	$\pm 15\%$	60	1V / 100K	19	90	1,6
TLS1005 - 220SWE	22	$\pm 15\%$	50	1V / 100K	18	100	1,4
TLS1005 - 270SWE	27	$\pm 15\%$	50	1V / 100K	16	120	1,3
TLS1005 - 330SWE	33	$\pm 15\%$	70	1V / 100K	14	160	1,2
TLS1005 - 390SWE	39	$\pm 15\%$	70	1V / 100K	12	180	1,05
TLS1005 - 470SWE	47	$\pm 15\%$	70	1V / 100K	11	190	1
TLS1005 - 560SWE	56	$\pm 15\%$	70	1V / 100K	10	210	0,9
TLS1005 - 680SWE	68	$\pm 15\%$	85	1V / 100K	9	340	0,82
TLS1005 - 820SWE	82	$\pm 15\%$	85	1V / 100K	8	380	0,75
TLS1005 - 101SWE	100	$\pm 10\%$	85	1V / 100K	7,5	420	0,68
TLS1005 - 121SWE	120	$\pm 10\%$	90	1V / 100K	7	460	0,6
TLS1005 - 151SWE	150	$\pm 10\%$	90	1V / 100K	6,3	520	0,55
TLS1005 - 181SWE	180	$\pm 10\%$	100	1V / 100K	5,5	700	0,5
TLS1005 - 221SWE	220	$\pm 10\%$	100	1V / 100K	5	800	0,45
TLS1005 - 271SWE	270	$\pm 10\%$	100	1V / 100K	4,5	1100	0,4
TLS1005 - 331SWE	330	$\pm 10\%$	110	1V / 100K	4	1200	0,35
TLS1005 - 391SWE	390	$\pm 10\%$	110	1V / 100K	3,8	1400	0,33
TLS1005 - 471SWE	470	$\pm 10\%$	70	1V / 100K	3	1600	0,3
TLS1005 - 561SWE	560	$\pm 10\%$	70	1V / 100K	2,7	1800	0,28

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# SMD POWER INDUCTORS

**SERIE:** TLS1005 12,7 x 10,0 x 4,9 mm



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## ELECTRICAL CHARACTERISTICS:

Part No.	Inductance ( $\mu$ H )		Q Ref.	Test Frequency ( Hz. )	SRF (MHz. )	RDC ( m $\Omega$ ) Max	IDC ( A )
<b>TLS1005 - 681SWE</b>	680	$\pm 10\%$	70	1V / 100K	2,6	2300	0,26
<b>TLS1005 - 821SWE</b>	820	$\pm 10\%$	70	1V / 100K	2,5	2600	0,24
<b>TLS1005 - 102SWE</b>	1000	$\pm 10\%$	70	1V / 100K	2,0	3200	0,22
<b>TLS1005 - 122SWE</b>	1200	$\pm 10\%$	70	1V / 100K	2,0	3600	0,2
<b>TLS1005 - 152SWE</b>	1500	$\pm 10\%$	70	1V / 100K	1,6	5200	0,17
<b>TLS1005 - 182SWE</b>	1800	$\pm 10\%$	70	1V / 100K	1,4	5700	0,16
<b>TLS1005 - 222SWE</b>	2200	$\pm 10\%$	70	1V / 100K	1,4	6500	0,14
<b>TLS1005 - 272SWE</b>	2700	$\pm 10\%$	70	1V / 100K	1,2	8600	0,12
<b>TLS1005 - 332SWE</b>	3300	$\pm 10\%$	70	1V / 100K	1,2	10000	0,1

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