

SMD POWER INDUCTORS

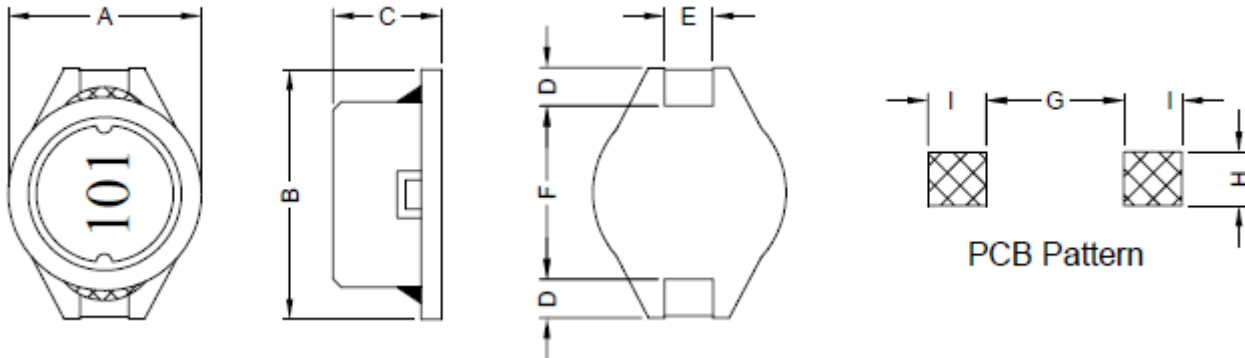
SERIE: TLS1003 10,1 x 12,7 x 2,7 mm

DIMENSIONS:

VPE: 1000pcs.



RoHS Compliant



Unit: mm

A	B	C	D	E	F	G	H	I
10,1 ± 0,2	12,7 ± 0,2	2,7 ± 0,3	2,4 ± 0,2	2,2 ± 0,2	7,6 ± 0,3	7,3 Ref.	2,8 Ref.	3,0 Ref.

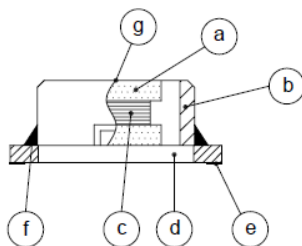
SCHEMATIC:



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

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ELECTRICAL CHARACTERISTICS:

Part No.	Inductance (μ H)		Q Ref.	Test Frequency (Hz.)	SRF (MHz.)	RDC (m Ω) Max	IDC (A)
TLS1003 - 2R2SWE	2,2	$\pm 20\%$	30	1V / 100K	90	45	3,5
TLS1003 - 3R0SWE	3,0	$\pm 20\%$	30	1V / 100K	70	62	3
TLS1003 - 3R9SWE	3,9	$\pm 20\%$	30	1V / 100K	60	70	2,8
TLS1003 - 4R7SWE	4,7	$\pm 20\%$	30	1V / 100K	50	78	2,5
TLS1003 - 6R8SWE	6,8	$\pm 20\%$	30	1V / 100K	50	100	2,2
TLS1003 - 100SWE	10	$\pm 20\%$	30	1V / 100K	38	145	2
TLS1003 - 120SWE	12	$\pm 20\%$	35	1V / 100K	29	185	1,75
TLS1003 - 150SWE	15	$\pm 20\%$	35	1V / 100K	30	200	1,5
TLS1003 - 180SWE	18	$\pm 20\%$	35	1V / 100K	25	270	1,4
TLS1003 - 220SWE	22	$\pm 20\%$	40	1V / 100K	22	300	1,3
TLS1003 - 270SWE	27	$\pm 20\%$	40	1V / 100K	18	400	1,2
TLS1003 - 330SWE	33	$\pm 20\%$	40	1V / 100K	17	450	1,1
TLS1003 - 390SWE	39	$\pm 20\%$	40	1V / 100K	17	560	0,95
TLS1003 - 470SWE	47	$\pm 20\%$	40	1V / 100K	15	650	0,8
TLS1003 - 560SWE	56	$\pm 20\%$	40	1V / 100K	14	680	0,75
TLS1003 - 680SWE	68	$\pm 20\%$	40	1V / 100K	12	800	0,7
TLS1003 - 820SWE	82	$\pm 20\%$	30	1V / 100K	11	1200	0,65
TLS1003 - 101SWE	100	$\pm 20\%$	45	1V / 100K	9,5	1400	0,6
TLS1003 - 121SWE	120	$\pm 20\%$	50	1V / 100K	8,5	1520	0,55
TLS1003 - 151SWE	150	$\pm 20\%$	50	1V / 100K	8	1800	0,5
TLS1003 - 181SWE	180	$\pm 20\%$	50	1V / 100K	7	2200	0,45
TLS1003 - 221SWE	220	$\pm 20\%$	50	1V / 100K	6,5	2200	0,4
TLS1003 - 271SWE	270	$\pm 15\%$	50	1V / 100K	5,5	3100	0,35
TLS1003 - 331SWE	330	$\pm 15\%$	45	1V / 100K	5,2	3600	0,3
TLS1003 - 391SWE	390	$\pm 15\%$	45	1V / 100K	5	4600	0,25

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