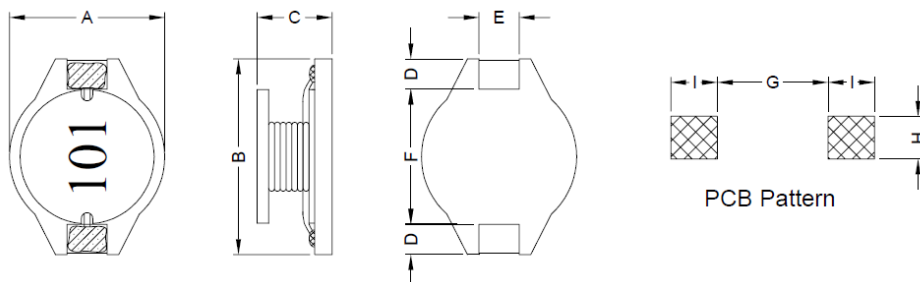


HIGH CURRENT MOLDED POWER INDUCTORS

SERIE: TLC1005 10,0 x 12,7 x 5,0 mm

DIMENSIONS:

VPE: 600pcs.



Unit: mm

A	B	C	D	E	F	G	H	I
10,0 ± 0,2	12,7 ± 0,2	5,0 ± 0,3	2,4 ± 0,2	2,2 ± 0,2	7,6 ± 0,3	7,3 Ref.	2,8 Ref.	3,0 Ref.

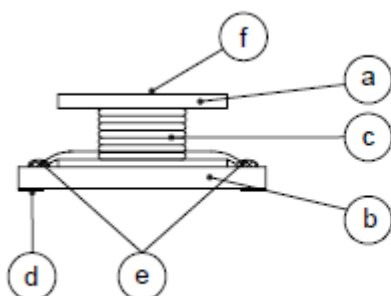
SCHEMATIC:



GENERAL SPECIFICATION :

1. Temp. rise: 30°C Max.
2. Rated current: Base on temp. rise & $\Delta L/\Delta I = 10\%$ Max.
3. Storage temp.: -40°C to +125°C
4. Operating temp.: -40°C to +85°C
5. Resistance to solder heat : 260°C 10sec.

Materials :



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

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

HIGH CURRENT MOLDED POWER INDUCTORS

SERIE: TLC1005 10,0 x 12,7 x 5,0 mm



ELECTRICAL CHARACTERISTICS:

Part No.	Inductance (μH) $\pm 20\%$	Q min	Test Frequency (Hz.)	SRF (MHz.) Typ.	Rdc (Ω)	IDC (A)
TLC1005 – 1R0SWE	1,0	50	1V / 100K	150,0	0,009	6,8
TLC1005 – 1R5SWE	1,5	50	1V / 100K	100,0	0,010	6,4
TLC1005 – 2R2SWE	2,2	45	1V / 100K	85,0	0,012	6,1
TLC1005 – 3R3SWE	3,3	35	1V / 100K	60,0	0,015	5,4
TLC1005 – 4R7SWE	4,7	35	1V / 100K	45,0	0,018	4,8
TLC1005 – 6R8SWE	6,8	35	1V / 100K	35,0	0,027	4,4
TLC1005 – 100SWE	10	30	1V / 100K	25,0	0,038	3,9
TLC1005 – 150SWE	15	30	1V / 100K	20,0	0,046	3,1
TLC1005 – 220SWE	22	25	1V / 100K	18,0	0,085	2,7
TLC1005 – 330SWE	33	30	1V / 100K	14,0	0,10	2,1
TLC1005 – 470SWE	47	20	1V / 100K	11,0	0,14	1,8
TLC1005 – 680SWE	68	35	1V / 100K	10,0	0,20	1,5
TLC1005 – 101SWE	100	40	1V / 100K	7,0	0,28	1,3
TLC1005 – 151SWE	150	40	1V / 100K	6,5	0,40	1,0
TLC1005 – 221SWE	220	40	1V / 100K	5,0	0,61	0,8
TLC1005 – 331SWE	330	60	1V / 100K	4,0	1,02	0,6
TLC1005 – 471SWE	470	50	1V / 100K	3,0	1,27	0,5
TLC1005 – 681SWE	680	65	1V / 100K	2,5	2,02	0,4

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