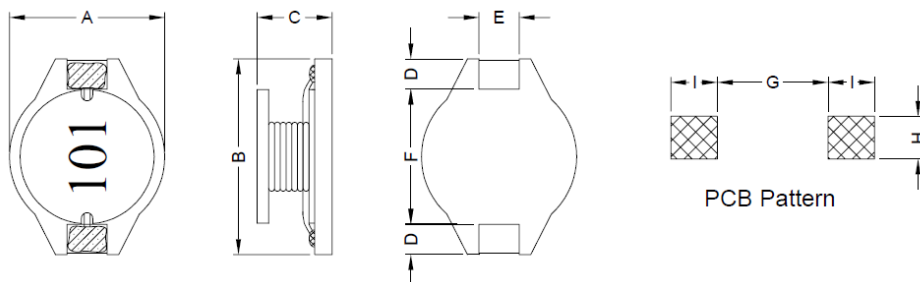


# HIGH CURRENT MOLDED POWER INDUCTORS

**SERIE:** TLC1003 10,0 x 12,7 x 3,0 mm

## DIMENSIONS:

VPE: 1000pcs.



Unit: mm

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

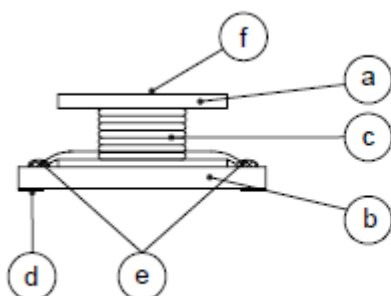
## SCHEMATIC:



## 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 +95°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:** TLC1003 10,0 x 12,7 x 3,0 mm



### **ELECTRICAL CHARACTERISTICS:**

Part No.	Inductance ( $\mu$ H) $\pm 20\%$	Test Frequency (Hz.)	SRF (MHz.) Typ.	Rdc ( $\Omega$ )	IDC (A)
TLC1003 - 100SWE	10	1V / 100K	35	0,11	2,00
TLC1003 - 150SWE	15	1V / 100K	35	0,15	1,50
TLC1003 - 220SWE	22	1V / 100K	25	0,23	1,30
TLC1003 - 330SWE	33	1V / 100K	19	0,30	1,10
TLC1003 - 470SWE	47	1V / 100K	14	0,39	0,80
TLC1003 - 680SWE	68	1V / 100K	12	0,66	0,70
TLC1003 - 101SWE	100	1V / 100K	10	0,84	0,60
TLC1003 - 151SWE	150	1V / 100K	8	1,20	0,50
TLC1003 - 221SWE	220	1V / 100K	6	1,90	0,40
TLC1003 - 331SWE	330	1V / 100K	5	2,70	0,30
TLC1003 - 471SWE	470	1V / 100K	4	4,00	0,20
TLC1003 - 681SWE	680	1V / 100K	3	5,30	0,10
TLC1003 - 102SWE	1000	1V / 100K	2,5	8,40	0,05

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