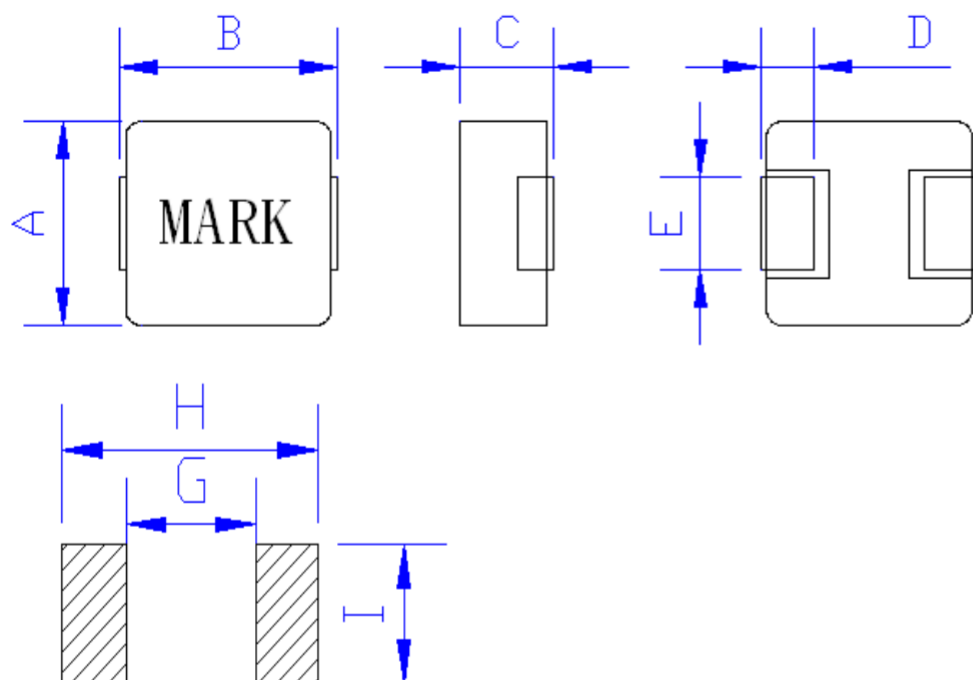
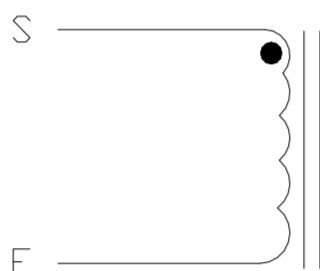
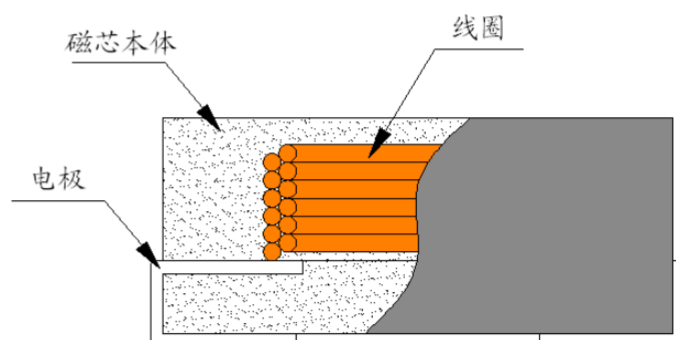


◆ EXTERNAL DIMENSIONS:


A	6.6 ± 0.3
B	7.1 ± 0.5
C	5.0 Max
D	1.6 ± 0.3
E	3.0 ± 0.3
G	2.4 Ref
H	7.8 Ref
I	3.5 Ref

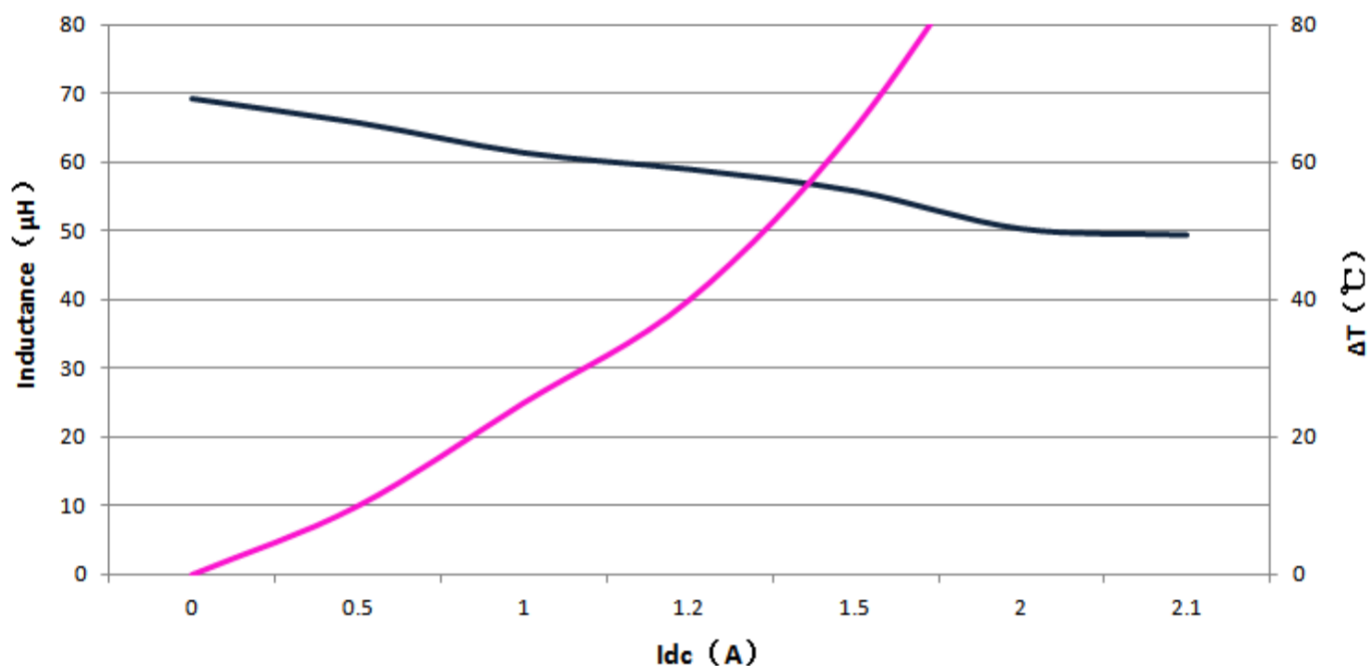
◆ SCHEMATIC DIAGRAM:


"●" START FOR STAND

◆ INTERNAL STRUCTURE:


◆ **ELECTRICAL CHARACTERISTIC:**

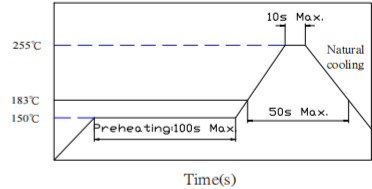
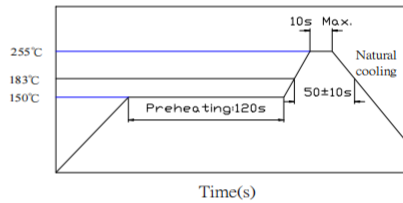
Part.NO	L0 (uh)	DCR(m Ω)		Irms (A)	Isat (A)
	@100KHz/1.0V				
	$\pm 20\%$	Typ	Max	Typ	Max
SLO0650H680MTT	68	320	390	1.2	2.1



NOTES:

1. DC current (Idc) that will cause an approximate ΔT of 40°C
2. DC current (Isat) that will cause Lo to drop approximately 30%
3. All test data is referenced to 25°C ambient
4. Operating Temperature Range -45°C to +125°C
5. The part temperature (ambient + temp rise) should not exceed 125°C under the worst operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

◆ MATERIAL IDENTIFICATION

Item	Specification	Conditions
SOLDER HEAT RESISTANCE	INDUCTORS SHOULD HAVE NO EVIDENCE OF ELECTRICAL AND MICHANICAL DAMAGE INDUCTANCE SHOULD NOT HANGE MORE THAN±10%	PREHEATING TIME:150℃ 100s Max SOLDER TEMPERATURE:255±5℃ DIP TIME:10s Max 
VIBRATION TEST		FREQUENCY:10~55~10Hz/1MIN AMPLITUDE:1.5mm DIRECTION:X Y Z TIME:2HRS/X Y Z
SHOCK TEST		INDUCTORS SHOULD BE DROPPED 10 TIMES FROM A HEIGHT OF 1m ONTO 3cm WOODEN BOARD.
SOLDERABILITY TEST	MORE THAN 90% OF TERMINAL ELECTRODE SHOULD BE COVERED WITH SOLDER.	PREHEATING TIME:150℃ 120s SOLDER TEMPERATURE:255±5℃ TIME:10s Max 
TEMPERATURE CHARACTERISTIC	APPEARANCE:NO DAMAGE INDUCTANCE:WITHIN±10%OF INITIAL VALUE	-45℃ ~ +125℃
HUMIDITY TEST		60℃±2℃/96±2H R.H:90-95%RH
LOW TEMPERATURE STORAGE		-45℃±2℃ /24H TEST AT ROOM TEMOERATURE FOR 1 HOUR
THERMAL SHOCK TEST		-45℃±2℃ 30Min +85℃±2℃ 30Min 100 CYCLES TEST AT ROOM TEMOERATURE FOR 2 HOUR
HIGH TEMPERATURE STORAGE		+85℃±2℃ /24H TEST AT ROOM TEMOERATURE FOR 1 HOUR