

Customer		Specification (Change History)	Type AMHA0630
Change Mark	Change Date	Change content	Requested by

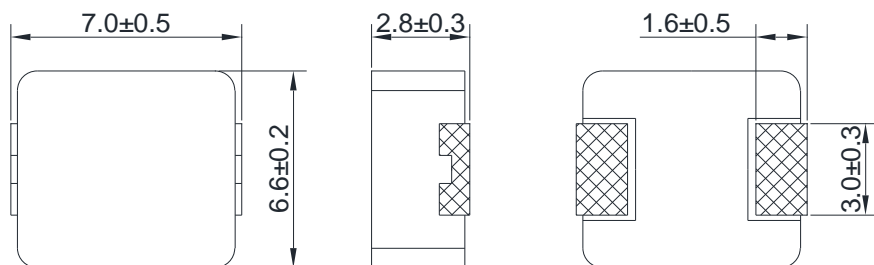
Note:				
Creation Date:12th,Sept.,2023		Customer Part name	AMHA0630-4R7MC01	
Approved by	Checked by	Created by	TNK Part name	AMHA0630-4R7M
Roger Luo	Jacky Wang	Linda Zhu	Drawing number	TBD

Specification

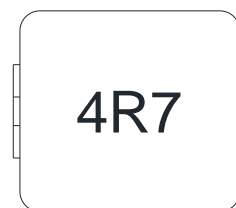
Type
AMHA0630

1. Appearance

1-1. Dimensions(mm)

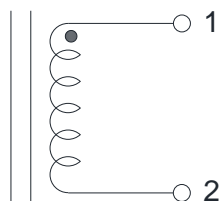


1-2. Stamp

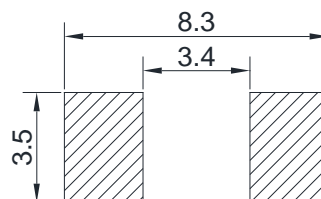


2. Coil specification

2-1. Schematics



2-2. Recommended land patterns(mm)



3. Electrical characteristics (at 25°C)

Item	Specification	Measuring condition
Inductance	$4.7\mu\text{H} \pm 20\%$	100kHz, 0.25V
DCR	38.3mΩ Max. (33.3mΩ Typ.)	
Saturation Current ※1	6.50A Max.(8.40A Typ.)	
Temperature Rise Current ※2	4.80A Max.(5.40A Typ.)	

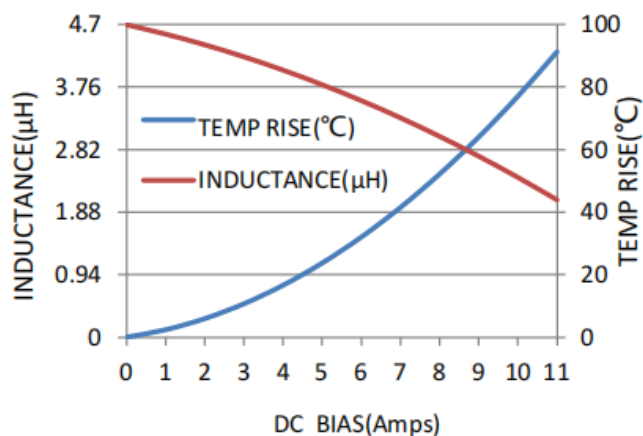
※1 Saturation current: The DC current at which the inductance decreases by Max. 30% of its initial value..

※2 Temperature Rise current: The DC current at which temperature rise is approximate $\Delta T = 40^\circ\text{C}$ ($T_a = 25^\circ\text{C}$).

4. Note

- * Complied with AEC-Q200.
- * Storage temperature range: $-40^\circ\text{C} \sim +125^\circ\text{C}$.
- * Operating temperature range: $-40^\circ\text{C} \sim +125^\circ\text{C}$ (Including coil's self temperature rise).

5. Bias Characteristics



RoHS
compliance
Cd: Max. 0.01wt%
others: Max. 0.1wt%