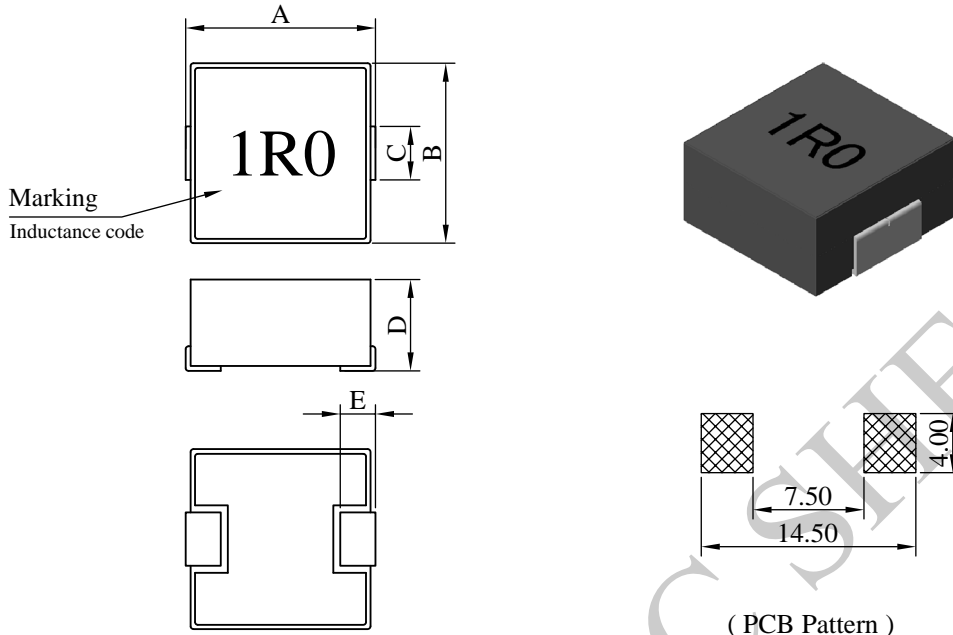


SPECIFICATION FOR APPROVAL

REF. :

PROD. NAME	Shielded SMD Power Inductor	ABC'S DWG NO.		AHE12651R0M2BP01	
		REV.	20200908	PAGE	1

I . Configuration and dimensions :



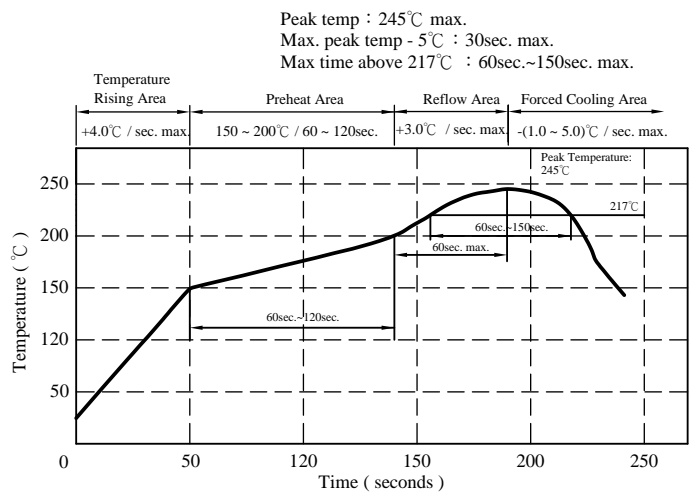
Unit : mm				
A	B	C	D	E
13.50 ±0.50	12.80 ±0.30	3.50 ±0.50	6.50 max.	2.50 ±0.50

II . Description :

- a . Powder molding construction
- b . Magnetically shielded
- c . Enamelled copper wire : N class
- d . Product weight : 6.00g (ref.)
- e . Moisture sensitivity Level 1
- f . Products comply with RoHS' requirements
- g . Halogen free

III . General specification :

- a . Storage temp. : -55°C ~ +125°C
- b . Operating temp. : -55°C ~ +125°C
(Temp. rise included)
- c . Resistance to solder heat : 260°C . 10 sec.
- d . Qualification to AEC-Q200 , available for automotive application on driver assistant , entertainment & lighting system.



AR-001C

SPECIFICATION FOR APPROVAL

REF. :

PROD. NAME	Shielded SMD Power Inductor	ABC'S DWG NO.		AHE12651R0M2BP01	
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IV . Electrical characteristics :

KEY

DWG. No.	Inductance (μ H)	RDC ($m\Omega$)		Isat (A)	Irms (A)
		typ.	max.	typ.	typ.
AHE12651R0M2BP01	1.00 \pm 20%	1.90	2.00	49.0	32.0

- 1). Electrical specifications at 25°C
- 2). Inductance Test Condition. :500kHz / 0.25V
- 3). Isat base on $\Delta L / L0A=30\%$ typ.(Approximately transient current)
- 4). Irms base on Temp. rise 40°C typ.
- 5). Rated Voltage : 50V max.