

# SMT Power Inductor

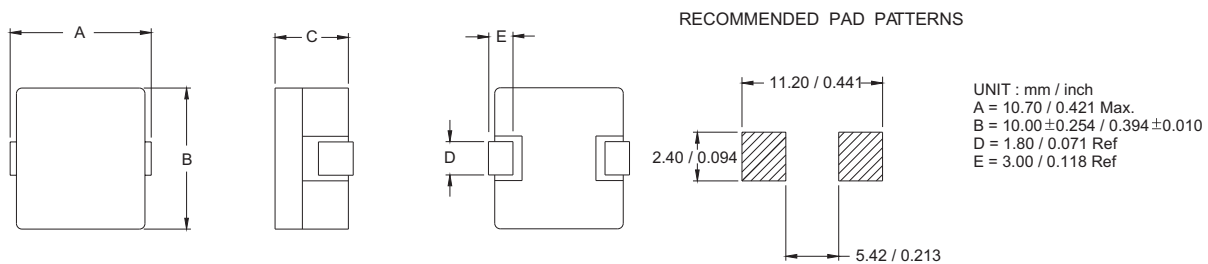
## HAH1030 & HAH1040 Type

### Features

- RoHS compliant.
- Low profile, SMD type.
- High current.
- Magnetic shielded.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.



### Mechanical Dimension:



### Electrical Characteristics: AT 25°C: 100KHz, 1.0V

PART NO.	$L_0^1$ ( $\mu$ H)	$L_i$ ( $\mu$ H)	DCR ( $m\Omega$ ) MAX	$I_{sat}^2$ (A $\cdot$ c)	$I_{rms}^3$ (A $\cdot$ c)	HEIGHT "C" (mm/inch) MAX.
HAH1030-R47	0.47	0.376	2.1 ± 10%	26	20	3.0 / 0.118
HAH1040-R15	0.15	0.12	0.8	30	30	4.0 / 0.157
HAH1040-0R2	0.20	0.15	0.8	45	45	4.0 / 0.157
HAH1040-R33	0.33	0.30	1.1	30	30	4.0 / 0.157
HAH1040-0R5	0.50	0.40	1.1	30	30	4.0 / 0.157
HAH1040-0R6	0.60	0.50	2.9	22	22	4.0 / 0.157
HAH1040-0R9	0.90	0.70	2.9	22	22	4.0 / 0.157

1.  $L_0$  is the initial inductance and the tolerance of inductance is ± 20%.
2.  $I_{sat}$  is the DC current which cause the inductance drop to  $L_i$ .
3.  $I_{rms}$  is the DC current which cause the surface temperature of the part increase less than 45°C.
4. Operating temperature : -40°C to 125°C ( including self-temperature rise ).



**DELTA ELECTRONICS, INC.**

(TAOYUAN PLANT CPBG) 252, SAN YING ROAD, KUEISAN INDUSTRIAL ZONE, TAOYUAN SHIEN, 333, TAIWAN, R.O.C.

TEL: 886-3-3591968; FAX: 886-3-3591991

<http://www.deltaww.com>