

SMT Power Inductor

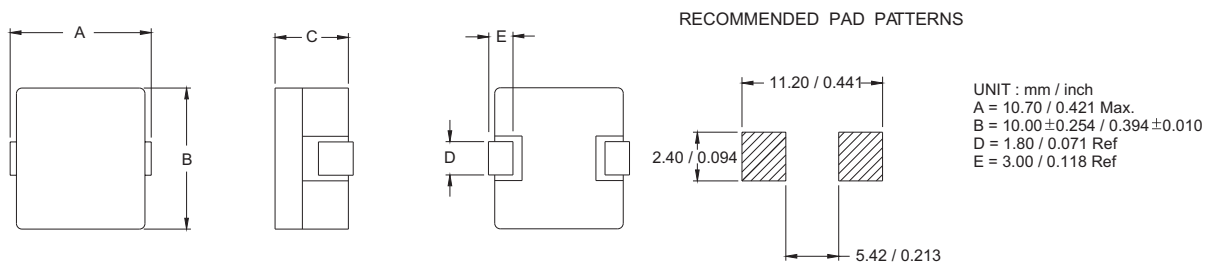
HAH1030 & HAH1040 Type

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 (μ H)	L_i (μ H)	DCR ($m\Omega$) MAX	I_{sat}^2 (A dc)	I_{rms}^3 (A dc)	HEIGHT "C" (mm/inch) MAX.
HAH1030-R47	0.47	0.376	2.1 \pm 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 $\pm 20\%$.
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).



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