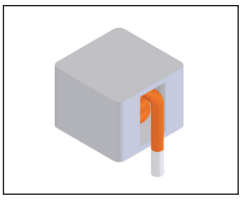
Through Hole Power Inductors

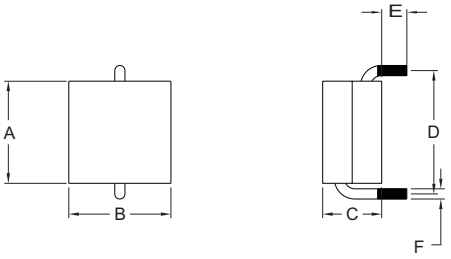
THAH1055, 1075, 1085, 1090 & 1095 Type

Features

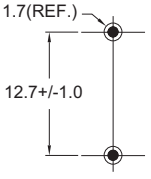
- RoHS compliant.
- High current (Isat up to 50A) though hole type.
- Magnetically shielded, suitable for hight density mounting.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor application.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.



Mechanical Dimension:



RECOMMENDED PAD PATTERNS



UNIT :mm/inch
A = 11.00 / 0.433 Max.
B = 11.00 / 0.433 Max.
D = 12.70±0.5 / 0.500±0.020
E = 3.30±0.5 / 0.130±0.020
F = 1.30 / 0.051

Electrical Characteristics: At 25°C: 100KHz, 1.0V

PART NO.	Lo[1] (uH)	DCR (mΩ) MAX.	Isat[2] (Adc)	Irms[3] (Adc)	Dimension "C" (mm / inch) MAX
THAH1055-R15	0.150 ± 20%	0.50	45	30	5.50 / 0.217
THAH1075-R24	0.245 ± 10%	0.72 ± 7%	50	28	7.50 / 0.295
THAH1075-R25	0.280 ~ 0.308	0.76	40	28	7.50 / 0.295
THAH1075-0R3	0.224 ~ 0.336	0.76	40	28	7.50 / 0.295
THAH1075-R36	0.360 ± 20%	0.76	40	28	7.50 / 0.295
THAH1075-R68	0.680 ± 20%	1.25	35	25	7.50 / 0.295
THAH1075-0R8	0.800 ± 20%	2.30	35	20	7.50 / 0.295
THAH1075-1R0	1.000 ± 20%	3.00	22	16	7.50 / 0.295
THAH1085-0R9	0.900 ± 20%	2.10	30	22	8.50 / 0.335
THAH1090-0R4	0.400 ± 20%	1.15	40	25	9.00 / 0.354
THAH1090-0R5	0.500 ± 20%	0.90 ± 5%	50	40	9.00 / 0.354
THAH1095-1R2	1.200 ± 20%	3.00	22	15	9.50 / 0.374

1. Lo is the initial inductance.
2. Isat is the DC current which cause the inductance drop less than 20% of its nominal inductance without current.
3. Irms is the DC current which cause the surface temperature of the part increase less than 40°C.
4. Operating temperature : -40°C to 125°C (including self-temperature rise).

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