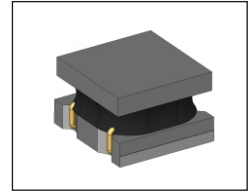


SMT Power Inductor

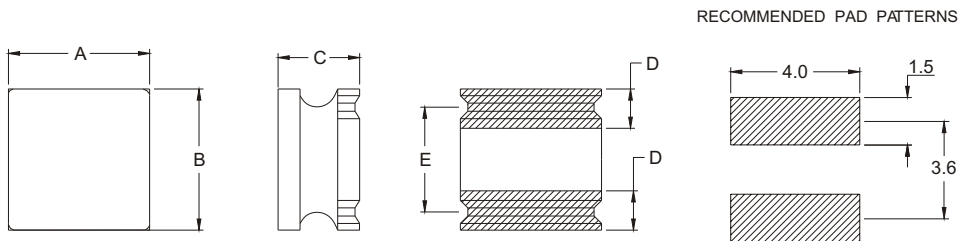
SIG5040 Type

Features

- RoHS compliant.
- Halogen free compliant.
- Low profile (4.0mm max. height), SMD type.
- Shielded
- Self-leads, suitable for high 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 applications.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.



Mechanical Dimension:



UNIT : mm/inch
 A = 4.9±0.2 / 0.193±0.008
 B = 4.9± 0.2 / 0.193± 0.008
 C = 4.0/0.157 Max.
 D = 1.3± 0.2 / 0.051±0.008
 E = 3.3± 0.2 / 0.130±0.008

Electrical Characteristics: 25°C: 100KHz, 0.1V

PART NO.	L ¹ (uH)	DCR (mΩ) ± 30%	Isat ² (Adc)	Ir ³ (Adc)
SIG5040 - 1R0	1.0	15	7.2	4.5
SIG5040 - 1R5	1.5	20	6.0	3.6
SIG5040 - 2R2	2.2	22	4.6	3.5
SIG5040 - 3R3	3.3	27	3.8	3.3
SIG5040 - 4R7	4.7	29	3.3	3.1
SIG5040 - 6R8	6.8	49	2.6	2.3
SIG5040 - 100	10.0	56	2.3	2.1
SIG5040 - 150	15.0	80	2.0	1.8
SIG5040 - 220	22.0	126	1.6	1.4
SIG5040 - 330	33.0	180	1.3	1.2
SIG5040 - 470	47.0	230	1.1	0.9

1. Tolerance of inductance: ± 30% for 1.0~4.7uH, ± 20% for 6.8~47uH.
2. Isat is the DC current which cause the inductance drop 30% typical of its nominal inductance without current.
3. Ir is the DC current which cause the surface temperature of the part increase less than 40°C.
4. Rated current : Value obtained when current flows and the temperature has risen to 40°C or when DC current flows and the nominal value of inductance has fallen by 30%, whichever is smaller.
5. 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.

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[CGA2B2C0G1H040C](#) [CGA2B2C0G1H050C](#) [CGA2B2C0G1H060D](#) [CGA2B2C0G1H070D](#) [CGA2B2C0G1H151J](#) [CGA2B2C0G1H1R5C](#)
[CGA2B2C0G1H2R2C](#) [CGA2B2C0G1H3R3C](#) [CGA2B2C0G1H680J](#) [CGA2B2C0G1H6R8D](#) [CGA2B2X8R1H221K](#) [CGA2B2X8R1H472K](#)
[CGA3E1X7R1C474K](#)