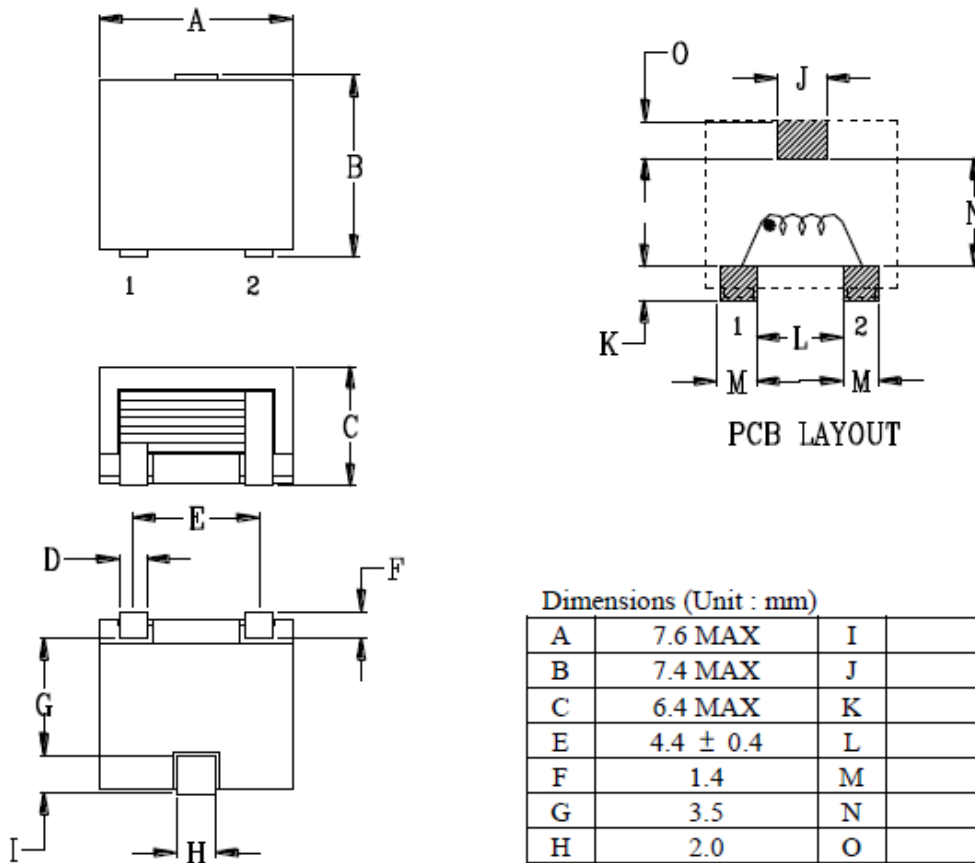


# CYNTEC CO., LTD.

## 乾坤科技股份有限公司

### HMS0864B Series

#### Mechanical dimensions



#### Electrical Characteristics: @25°C, 100kHz, 1V

Delta P/N	L <sup>1</sup> (uH)	DCR (mΩ) ±8%	Isat <sup>2</sup> (A)	Ir <sup>3</sup> (A)	D (mm)
HMS0864B-R82	0.82	2.3	21.0	19.0	1.2
HMS0864B-1R0	1.0	2.3	18.5	19.0	1.2
HMS0864B-1R5	1.5	<2.8	12.0	19.0	1.2
HMS0864B-2R2	2.2	7.6	12.0	9.5	0.9
HMS0864B-3R3L	3.3	<5.0	10.5	13.6	0.9
HMS0864B-4R7	4.7	17.0	9.3	6.7	0.8
HMS0864B-6R8	6.8	20.0	7.8	5.8	0.8

1. Tolerance of inductance : ± 20%
2. Isat is the DC current which causes the inductance drop 20% typical of its nominal inductance without current.
3. Ir is the DC current which causes the surface temperature of the part increase approximately 40 °C.
4. Operating temperature: -40°C to 125°C (Self-temperature rise included).