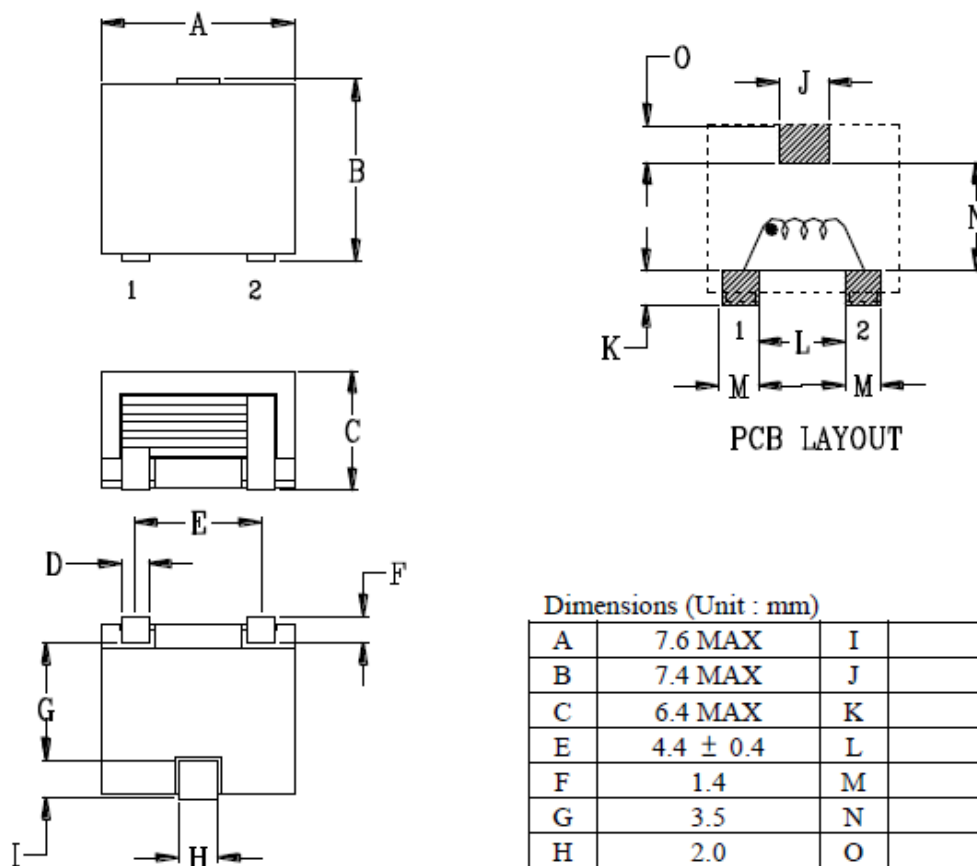




## DELTA P/N : HMS0864B Series

### Mechanical dimensions



Dimensions (Unit : mm)

|   |           |   |     |
|---|-----------|---|-----|
| A | 7.6 MAX   | I | 1.8 |
| B | 7.4 MAX   | J | 3.5 |
| C | 6.4 MAX   | K | 2.5 |
| E | 4.4 ± 0.4 | L | 2.6 |
| F | 1.4       | M | 2.5 |
| G | 3.5       | N | 2.0 |
| H | 2.0       | O | 3.0 |

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

| Delta P/N     | L <sup>1</sup><br>(uH) | DCR<br>(mΩ) ±8% | Isat <sup>2</sup><br>(A) | Ir <sup>3</sup><br>(A) | D<br>(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).