

SMD INDUCTOR

Fixed Inductor for Surface Mounting

SPC7040

SMD Shielded type

UNIT : mm

TYPE SPC7040

For Reflow Soldering

Frequency Range: 1kHz ~1MHz

Inductance Range: 2.2 ~ 100uH

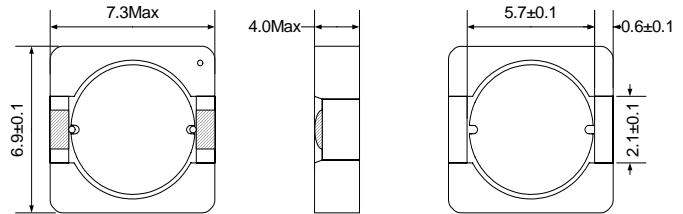
Features

*Low profile (4mm high)

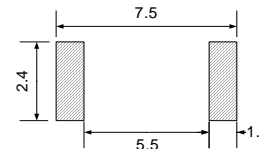
*Suitable for reflow soldering

*Available on tape and reel for automatic insertion

Dimensions



Recommended PCB Pattern:



Electrical Characteristics

| Ordering code | Inductance range (μ H) | DCR(m Ω ,max) | Rated current (A,max) | Marking |
|---------------|-----------------------------|----------------------|--------------------------|---------|
| SPC7040-2R2M | 2.2 \pm 20% | 18 | 4.5 | 2R2 |
| SPC7040-2R7M | 2.7 \pm 20% | 20 | 4.4 | 2R7 |
| SPC7040-3R3M | 3.3 \pm 20% | 25 | 4.3 | 3R3 |
| SPC7040-4R7M | 4.7 \pm 20% | 30 | 3.5 | 4R7 |
| SPC7040-5R6M | 5.6 \pm 20% | 35 | 3.4 | 5R6 |
| SPC7040-6R8M | 6.8 \pm 20% | 40 | 3.2 | 6R8 |
| SPC7040-8R2M | 8.2 \pm 20% | 45 | 3.0 | 8R2 |
| SPC7040-100M | 10 \pm 20% | 50 | 2.5 | 100 |
| SPC7040-120M | 12 \pm 20% | 55 | 2.2 | 120 |
| SPC7040-150M | 15 \pm 20% | 60 | 2.1 | 150 |
| SPC7040-220M | 22 \pm 20% | 85 | 1.9 | 220 |
| SPC7040-270M | 27 \pm 20% | 105 | 1.6 | 270 |
| SPC7040-330M | 33 \pm 20% | 130 | 1.5 | 330 |
| SPC7040-470M | 47 \pm 20% | 170 | 1.2 | 470 |
| SPC7040-560M | 56 \pm 20% | 200 | 1.0 | 560 |
| SPC7040-680M | 68 \pm 20% | 210 | 0.9 | 680 |
| SPC7040-820M | 82 \pm 20% | 250 | 0.9 | 820 |
| SPC7040-101M | 100 \pm 20% | 350 | 0.8 | 101 |

Standard Parts selection Guide

*Inductance : Agilent 4284A (1kHz, 1.0V)

*DCR Meter : ABM3245 (20m Ω -2M Ω)

*Bias Current : Agilent 4284A + Agilent 42841A

*Inductance drop = 20% at rated current

Note: It is developing excepts the thing which we produced