

INDUCTOR

Fixed Inductor for Surface Mounting

SPC10040

SMD Shielded type

UNIT : mm

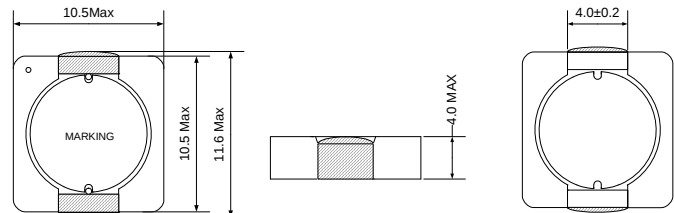
TYPE SPC10040

For Reflow Soldering
Frequency Range: 1kHz ~1MHz
Inductance Range: 1.0 ~ 470uH

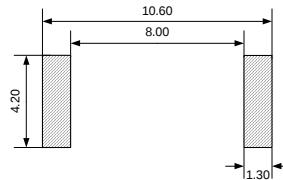
Features

- *Low profile (4mm high)
- *Suitable for reflow soldering
- *Suitable for large current
- *Available on tape and reel for automatic insertion

Dimensions



Recommended PCB Pattern:



Electrical Characteristics

Ordering code	Inductance range (μ H)	DCR(m Ω)	Rated current (A,max)	Marking
SPC10040-1R0N	1.0 $\pm$ 30%	9.5 $\pm$ 30%	9	1R0
SPC10040-2R7N	2.7 $\pm$ 30%	14.5 $\pm$ 30%	6	2R7
SPC10040-3R3M	3.3 $\pm$ 20%	16.5 $\pm$ 20%	5	3R3
SPC10040-4R7M	4.7 $\pm$ 20%	19 $\pm$ 20%	5	4R7
SPC10040-5R6M	5.6 $\pm$ 20%	21 $\pm$ 20%	4.9	5R6
SPC10040-6R8M	6.8 $\pm$ 20%	23.5 $\pm$ 20%	4.8	6R8
SPC10040-8R2M	8.2 $\pm$ 20%	30 $\pm$ 20%	4.5	8R2
SPC10040-100M	10 $\pm$ 20%	39 $\pm$ 20%	3.8	100
SPC10040-120M	12 $\pm$ 20%	45 $\pm$ 20%	3.7	120
SPC10040-150M	15 $\pm$ 20%	48 $\pm$ 20%	3.2	150
SPC10040-220M	22 $\pm$ 20%	68 $\pm$ 20%	2.6	220
SPC10040-270M	27 $\pm$ 20%	77 $\pm$ 20%	2.4	270
SPC10040-330M	33 $\pm$ 20%	80 $\pm$ 20%	2.0	330
SPC10040-470M	47 $\pm$ 20%	122 $\pm$ 20%	1.8	470
SPC10040-560M	56 $\pm$ 20%	142 $\pm$ 20%	1.7	560
SPC10040-680M	68 $\pm$ 20%	183 $\pm$ 20%	1.5	680
SPC10040-820M	82 $\pm$ 20%	226 $\pm$ 20%	1.3	820
SPC10040-101M	100 $\pm$ 20%	259 $\pm$ 20%	1.2	101

Standard Parts selection Guide

- *Inductance : LCR-745 Meter (1kHz, 1.0V)
- *DCR Meter : ABM3245 (20m Ω ~2M Ω)
- *Bias Current : Agilent 4284A + Agilent 42841A
- *Inductance drop = 20% at rated current