

# SMD INDUCTOR

Fixed Inductor for Surface Mounting

SPC7030

## SMD Shielded type

UNIT : mm

### TYPE SPC7030

For Reflow Soldering

Frequency Range: 1kHz ~1MHz

Inductance Range: 2.2 ~ 100uH

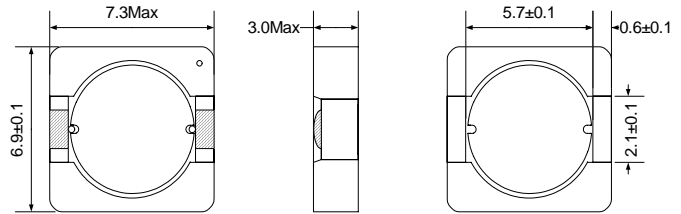
### Features

\*Low profile (3mm high)

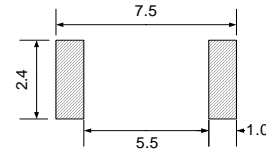
\*Suitable for reflow soldering

\*Available on tape and reel for automatic insertion

### Dimensions



### Recommended PCB Pattern:



## Electrical Characteristics

Ordering code	Inductance range ( $\mu$ H)	DCR(m $\Omega$ ,max)	Rated current (A,max)	Marking
SPC7030-2R2M	2.2 $\pm$ 20%	25	4.2	2R2
SPC7030-3R3M	3.3 $\pm$ 20%	30	4.0	3R3
SPC7030-4R7M	4.7 $\pm$ 20%	35	3.6	4R7
SPC7030-5R6M	5.6 $\pm$ 20%	40	3.4	5R6
SPC7030-6R8M	6.8 $\pm$ 20%	45	3.2	6R8
SPC7030-8R2M	8.2 $\pm$ 20%	52	3.0	8R2
SPC7030-100M	10 $\pm$ 20%	70	2.8	100
SPC7030-120M	12 $\pm$ 20%	75	2.4	120
SPC7030-150M	15 $\pm$ 20%	85	2.1	150
SPC7030-220M	22 $\pm$ 20%	125	1.8	220
SPC7030-270M	27 $\pm$ 20%	145	1.6	270
SPC7030-330M	33 $\pm$ 20%	185	1.4	330
SPC7030-470M	47 $\pm$ 20%	230	1.2	470
SPC7030-560M	56 $\pm$ 20%	260	1.1	560
SPC7030-680M	68 $\pm$ 20%	350	1.0	680
SPC7030-820M	82 $\pm$ 20%	460	0.9	820
SPC7030-101M	100 $\pm$ 20%	550	0.8	101

### Standard Parts selection Guide

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

\*DCR Meter : ABM3245 (20m $\Omega$ -2M $\Omega$ )

\*Bias Current : Agilent 4284A + Agilent 42841A

\*Inductance drop = 20% at rated current

Note: It is developing excepts the thing which we produced