

# 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

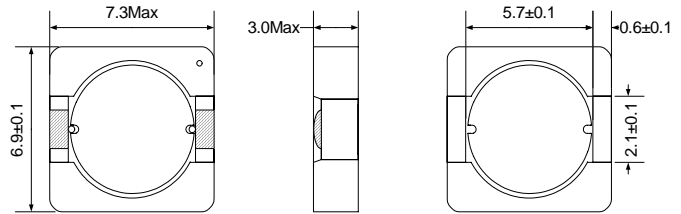
### Features

\*Low profile (3mm high)

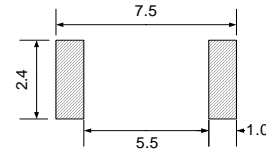
\*Suitable for reflow soldering

\*Available on tape and reel for automatic insertion

### Dimensions



### Recommended PCB Pattern:



## Electrical Characteristics

Ordering code	Inductance range ( $\mu\text{H}$ )	DCR( $\text{m}\Omega$ ,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