

# 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~ 330uH

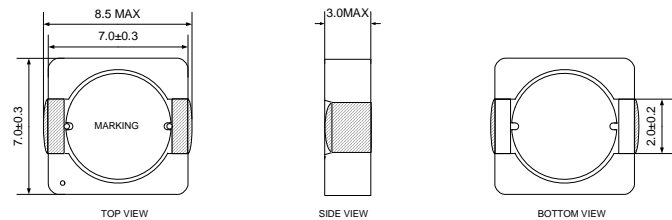
#### Features

\*Low profile (3mm high)

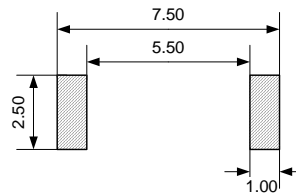
\*Suitable for reflow soldering

\*Available on tape and reel for automatic insertion

#### Dimensions



#### Recommended PCB Pattern:



#### Electrical Characteristics

Ordering code	Inductance range ( $\mu\text{H}$ )	DCR(m $\Omega$ )	Rated current (A,max)	Marking
SPC7030-2R2M	2.2 $\pm$ 30%	21 $\pm$ 30%	4.2	2R2
SPC7030-3R3M	3.3 $\pm$ 30%	26 $\pm$ 30%	4.0	3R3
SPC7030-4R7M	4.7 $\pm$ 20%	30 $\pm$ 20%	3.5	4R7
SPC7030-6R8M	6.8 $\pm$ 20%	38 $\pm$ 20%	3.1	6R8
SPC7030-100M	10 $\pm$ 20%	60 $\pm$ 20%	2.5	100
SPC7030-150M	15 $\pm$ 20%	72 $\pm$ 20%	2.0	150
SPC7030-220M	22 $\pm$ 20%	106 $\pm$ 20%	1.7	220
SPC7030-330M	33 $\pm$ 20%	196 $\pm$ 20%	1.3	330
SPC7030-470M	47 $\pm$ 20%	221 $\pm$ 20%	1.1	470
SPC7030-680M	68 $\pm$ 20%	298 $\pm$ 20%	0.9	680
SPC7030-101M	100 $\pm$ 20%	468 $\pm$ 20%	0.7	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