

# SMD INDUCTOR

Fixed Inductor for Surface Mounting

SPS6028

## SMD Shielded type

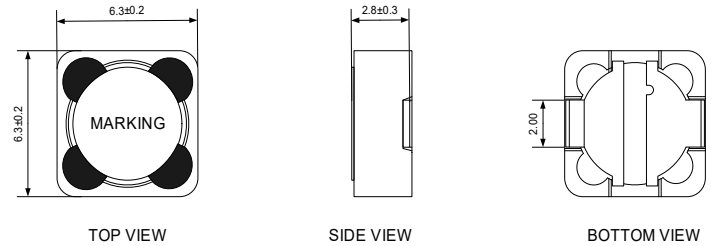
UNIT : mm

TYPE SPS6028  
 For Reflow Soldering  
 Frequency Range: 1kHz ~1MHz  
 Inductance Range: 1.0 ~ 100uH

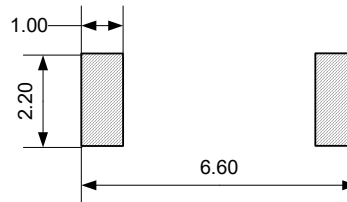
### Features

- \*Low profile (3.1mm high)
- \*Suitable for reflow soldering
- \*Available on tape and reel for automatic insertion

### Dimensions



### Recommended PCB Pattern:



## Electrical Characteristics

Ordering code	Inductance range (μH)	DCR(mΩ±30%)	Rated current (A,max)	Marking
SPS6028-1R0N	1.0±30%	11	3.6	1R2
SPS6028-2R2N	2.2±30%	17	2.6	2R2
SPS6028-3R3N	3.3±30%	21	2.2	3R6
SPS6028-4R7M	4.7±20%	25	2.1	4R7
SPS6028-5R6M	5.6±20%	35	1.8	5R6
SPS6028-6R8M	6.8±20%	44	1.6	6R8
SPS6028-8R2M	8.2±20%	47	1.4	8R2
SPS6028-100M	10±20%	54	1.3	100
SPS6028-120M	15±20%	58	1.2	150
SPS6028-150M	15±20%	78	1.1	150
SPS6028-220M	22±20%	105	0.9	220
SPS6028-330M	33±20%	165	0.8	330
SPS6028-470M	47±20%	222	0.6	470
SPS6028-560M	56±20%	260	0.5	560
SPS6028-680M	68±20%	346	0.45	680
SPS6028-820M	82±20%	390	0.42	820
SPS6028-101M	100±20%	452	0.40	101

### Standard Parts selection Guide

\*Inductance : Agilent 4285A (100kHz, 1.0V)

\*DCR Meter : ABM3245 (20mΩ~2MΩ)

\*Bias Current : Agilent 4285A + Agilent 42841A

\*Inductance drop = 30% at rated current

Note: It is developing excepts the thing which we produced