

# SMD INDUCTOR

Fixed Inductor for Surface Mounting

SPS12080

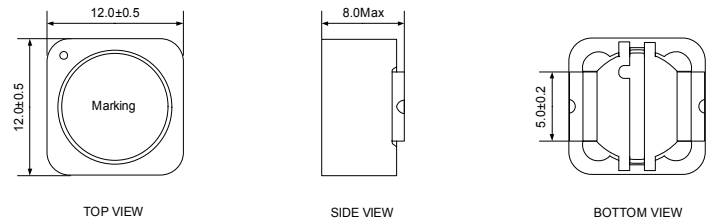
SMD Shielded type

UNIT : mm

## TYPE SPS12080

For Reflow Soldering  
 Frequency Range: 1kHz ~5MHz  
 Inductance Range: 2.4 ~ 1.000uH

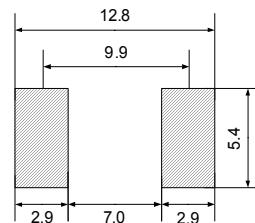
### Dimensions



### Features

- \*Low profile (8.0mm high)
- \*Suitable for reflow soldering
- \*Available on tape and reel for automatic insertion

### Recommended PCB Pattern



### Electrical Characteristics

Ordering code	Inductance range (μH)	DCR(mΩ±30%)	Rated current (A,max)	Marking
SPS12080-2R4N	2.4±30%	15	10.0	2R4
SPS12080-3R3N	3.3±30%	18	9.0	3R3
SPS12080-4R7M	4.7±20%	19	8.5	4R7
SPS12080-6R8M	6.8±20%	22	8.2	6R8
SPS12080-8R2M	8.2±20%	24	7.0	8R2
SPS12080-100M	10±20%	25	6.7	100
SPS12080-120M	12±20%	26	6.5	120
SPS12080-150M	15±20%	28	5.5	150
SPS12080-180M	18±20%	34	5.0	180
SPS12080-220M	22±20%	38	4.8	220
SPS12080-330M	33±20%	45	3.5	330
SPS12080-470M	47±20%	65	3.0	470
SPS12080-560M	56±20%	72	2.7	560
SPS12080-680M	68±20%	98	2.4	680
SPS12080-820M	82±20%	106	2.2	820
SPS12080-101M	100±20%	150	2.1	101
SPS12080-221M	220±20%	280	1.7	221
SPS12080-331M	330±20%	430	1.4	331
SPS12080-561M	560±20%	665	0.9	561
SPS12080-102M	1000±20%	1100	0.7	102

### 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 / criterion(measure of time) : within 3 seconds

Note: can purchase customizing type, please contact us.