

SMD INDUCTOR

Fixed Inductor for Surface Mounting

SPS10050

SMD Shielded type

UNIT : mm

TYPE SPS10050

For Reflow Soldering

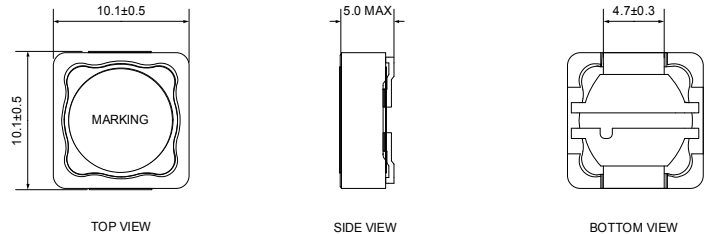
Frequency Range: 1kHz ~5MHz

Inductance Range: 1.2 ~ 1,000uH

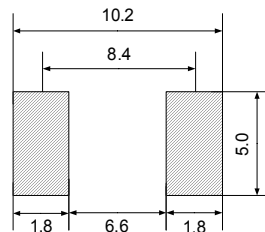
Features

- *Low profile (5.0mm 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
SPS10050-1R2N	1.2±30%	12	9.0	1R2
SPS10050-2R0N	2.0±30%	14	8.5	2R0
SPS10050-2R7N	2.7±30%	15	8.0	2R7
SPS10050-3R3N	3.3±30%	17	6.7	3R3
SPS10050-4R7M	4.7±20%	20	5.0	4R7
SPS10050-5R6M	5.6±20%	24	4.9	5R6
SPS10050-6R8M	6.8±20%	25	4.8	6R8
SPS10050-100M	10±20%	30	3.8	100
SPS10050-150M	15±20%	45	3.3	150
SPS10050-180M	18±20%	65	3.1	180
SPS10050-220M	22±20%	68	3.0	220
SPS10050-330M	33±20%	92	2.3	330
SPS10050-470M	47±20%	115	2.0	470
SPS10050-560M	56±20%	142	1.9	560
SPS10050-680M	68±20%	158	1.8	680
SPS10050-101M	100±20%	225	1.4	101
SPS10050-221M	220±20%	514	1.1	221
SPS10050-331M	330±20%	772	0.8	331
SPS10050-681M	680±20%	1,450	0.6	681
SPS10050-102M	1,000±20%	2,400	0.45	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.