

SMD INDUCTOR

Fixed Inductor for Surface Mounting

SPS10050M

SMD Shielded type

UNIT : mm

TYPE SPS10050M

For Reflow Soldering

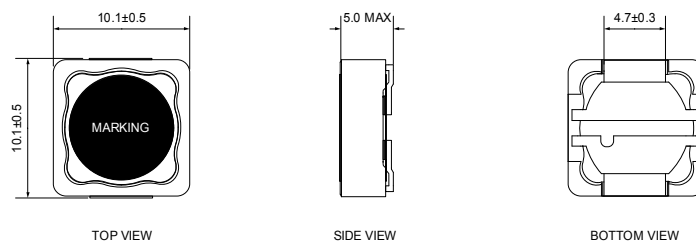
Frequency Range: 1kHz ~5MHz

Inductance Range: 1.2 ~ 1.000uH

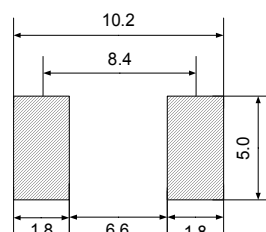
Features

- *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
SPS10050M-1R2N	1.2±30%	12	12.0	1R2
SPS10050M-2R2N	2.2±30%	16	10.0	2R2
SPS10050M-100M	10±20%	30	6.0	100
SPS10050M-220M	22±20%	68	4.5	220
SPS10050M-331M	330±20%	770	1.0	331
SPS10050M-102M	1,000±20%	2.5Ω	0.50	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.