

SMD INDUCTOR

Fixed Inductor for Surface Mounting

SPS12060M

SMD Shielded type

UNIT : mm

TYPE SPS12060M

For Reflow Soldering

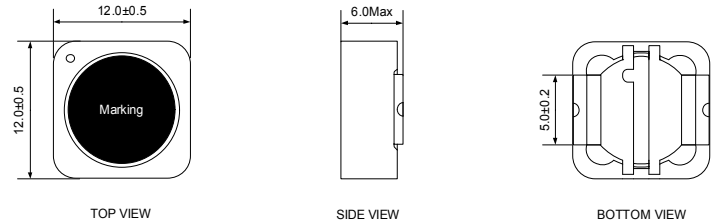
Frequency Range: 1kHz ~5MHz

Inductance Range: 1.2uH ~ 220uH

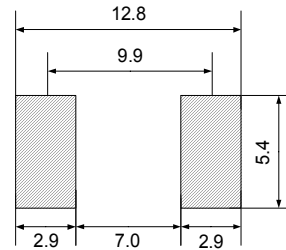
Features

- *Low profile (6.0mm 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
SPS12060M-1R2N	1.2±30%	9	16	1R2
SPS12060M-2R0N	2.0±30%	12	11	2R0
SPS12060M-3R3N	3.3±30%	14	10	3R3
SPS12060M-4R7M	4.7±20%	16	9.5	4R7
SPS12060M-5R6M	5.6±20%	20	9.2	5R6
SPS12060M-6R8M	6.8±20%	22	9.0	6R8
SPS12060M-8R2M	8.2±20%	24	8.5	8R2
SPS12060M-100M	10±20%	26	8.0	100
SPS12060M-120M	12±20%	28	7.0	120
SPS12060M-150M	15±20%	35	6.5	150
SPS12060M-220M	22±20%	45	5.2	220
SPS12060M-330M	33±20%	68	5.0	330
SPS12060M-470M	47±20%	100	4.0	470
SPS12060M-560M	56±20%	108	3.8	560
SPS12060M-680M	68±20%	125	3.4	680
SPS12060M-820M	82±20%	135	3.0	820
SPS12060M-101M	100±20%	172	2.6	101
SPS12060M-221M	220±20%	388	2.0	221

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.