

SMD INDUCTOR

Fixed Inductor for Surface Mounting

SPS12060

SMD Shielded type

UNIT : mm

TYPE SPS12060

For Reflow Soldering

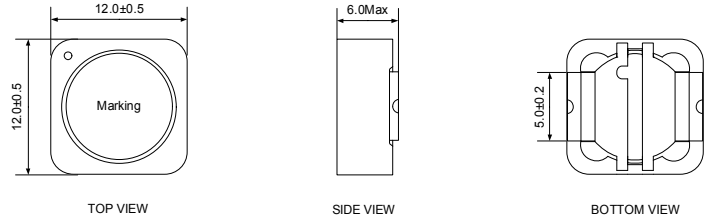
Frequency Range: 1kHz ~5MHz

Inductance Range: 2.4 ~ 470uH

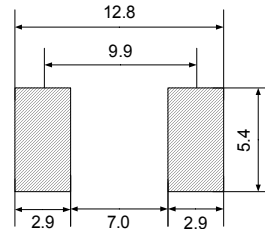
Features

- *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
SPS12060-2R4N	2.4±30%	12	8.0	2R4
SPS12060-4R7M	4.7±20%	15	5.5	4R7
SPS12060-5R6M	5.6±20%	24	5.2	5R6
SPS12060-8R2M	8.2±20%	26	5.1	8R2
SPS12060-100M	10±20%	28	5.0	100
SPS12060-120M	12±20%	30	4.8	120
SPS12060-150M	15±20%	34	4.6	150
SPS12060-220M	22±20%	48	3.2	220
SPS12060-330M	33±20%	54	2.5	330
SPS12060-470M	47±20%	82	2.0	470
SPS12060-560M	56±20%	120	1.8	560
SPS12060-680M	68±20%	129	1.7	680
SPS12060-820M	82±20%	142	1.5	820
SPS12060-101M	100±20%	181	0.9	101
SPS12060-121M	120±20%	208	0.8	121
SPS12060-221M	220±20%	350	0.7	221
SPS12060-471M	470±20%	700	0.6	471

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.