

SMD INDUCTOR

Fixed Inductor for Surface Mounting

SPS15080M

SMD Shielded type

UNIT : mm

TYPE SPS15080M

For Reflow Soldering

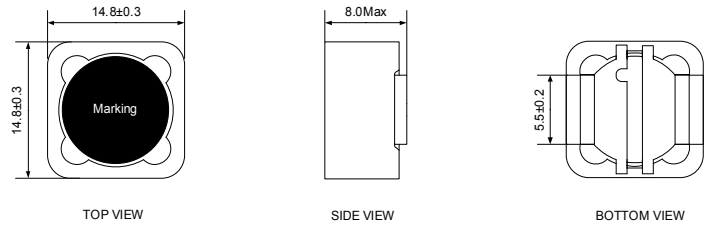
Frequency Range: 1kHz ~5MHz

Inductance Range: 2.0uH ~ 100uH

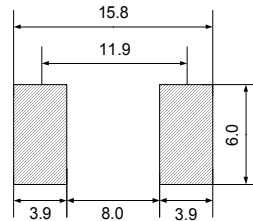
Features

- *Low profile (8.0mm 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
SPS15080M-2R0N	2.0±30%	9	14	2R0
SPS15080M-3R3N	3.3±30%	10	13	3R3
SPS15080M-4R7M	4.7±20%	11	12.5	4R7
SPS15080M-5R6M	5.6±20%	12	12.0	5R6
SPS15080M-6R8M	6.8±20%	14	11.0	6R8
SPS15080M-100M	10±20%	17	10.0	100
SPS15080M-120M	12±20%	18	9.5	120
SPS15080M-150M	15±20%	22	8.5	150
SPS15080M-220M	22±20%	30	7.0	220
SPS15080M-330M	33±20%	38	6.0	330
SPS15080M-470M	47±20%	56	5.0	470
SPS15080M-560M	56±20%	62	4.6	560
SPS15080M-680M	68±20%	70	4.0	680
SPS15080M-820M	82±20%	75	3.6	820
SPS15080M-101M	100±20%	105	3.4	101

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.