

SMD INDUCTOR

Fixed Inductor for Surface Mounting

SPS12080M

SMD Shielded type

UNIT : mm

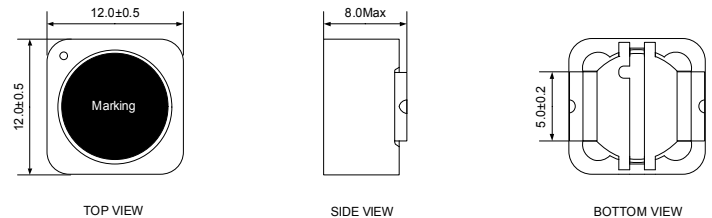
TYPE SPS12080M

For Reflow Soldering

Frequency Range: 1kHz ~5MHz

Inductance Range: 2.7uH ~ 560uH

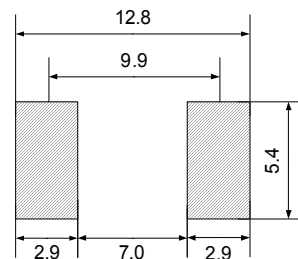
Dimensions



Features

- *Low profile (8.0mm high)
- *Suitable for reflow soldering
- *Available on tape and reel for automatic insertion

Recommended PCB Pattern



Electrical Characteristics

Ordering code	Inductance range (μH)	DCR(mΩ±30%)	Rated current (A,max)	Marking
SPS12080M-2R7N	2.7±30%	16	12	2R7
SPS12080M-3R6N	3.6±30%	18	11	3R6
SPS12080M-4R7M	4.7±20%	22	10	4R7
SPS12080M-100M	10±20%	26	9.5	100
SPS12080M-120M	12±20%	28	9.0	120
SPS12080M-150M	15±20%	32	8.5	150
SPS12080M-180M	18±20%	36	8.0	180
SPS12080M-220M	22±20%	40	7.2	220
SPS12080M-330M	33±20%	46	5.8	330
SPS12080M-470M	47±20%	68	4.8	470
SPS12080M-560M	56±20%	94	4.5	560
SPS12080M-680M	68±20%	100	3.8	680
SPS12080M-820M	82±20%	116	3.5	820
SPS12080M-101M	100±20%	154	3.2	101
SPS12080M-121M	120±20%	160	3.0	121
SPS12080M-221M	220±20%	275	2.3	221
SPS12080M-271M	270±20%	410	1.9	271
SPS12080M-561M	560±20%	670	1.3	561

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.