

INDUCTOR

Fixed Inductor for Surface Mounting

SPM6050

SMD Nonshielded type

UNIT : mm

TYPE SPM6050

For Reflow Soldering

Frequency Range: 1kHz ~1MHz

Inductance Range: 1.0 ~ 220uH

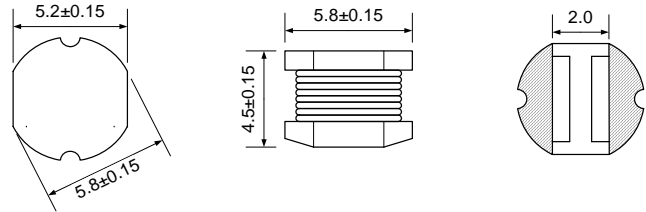
Features

*Low profile SMD Type(5mm high)

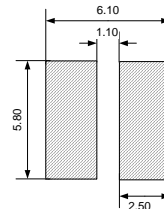
*Suitable for reflow soldering

*Available on tape and reel for automatic insertion

Dimensions



Recommended PCB Pattern:



Electrical Characteristics

Ordering code	Inductance range (μ H)	DCR(m Ω)	Rated current (A,max)	Marking
SPM6050-1R0M	1.0 \pm 20%	14 \pm 20%	5.0	1R0
SPM6050-3R3M	3.3 \pm 20%	32 \pm 20%	3.9	3R3
SPM6050-4R7M	4.7 \pm 20%	36 \pm 20%	3.6	4R7
SPM6050-6R8M	6.8 \pm 20%	55 \pm 20%	3.0	6R8
SPM6050-8R2M	8.2 \pm 20%	65 \pm 20%	2.7	8R2
SPM6050-100M	10 \pm 20%	72 \pm 20%	2.5	100
SPM6050-150M	15 \pm 20%	80 \pm 20%	1.8	150
SPM6050-220M	22 \pm 20%	125 \pm 20%	1.7	220
SPM6050-330M	33 \pm 20%	165 \pm 20%	1.5	330
SPM6050-470M	47 \pm 20%	230 \pm 20%	1.1	470
SPM6050-680M	68 \pm 20%	345 \pm 20%	0.85	680
SPM6050-820M	82 \pm 20%	400 \pm 20%	0.80	820
SPM6050-101M	100 \pm 20%	505 \pm 20%	0.75	101
SPM6050-331M	330 \pm 20%	1700 \pm 20%	0.45	331

Standard Parts selection Guide

*Inductance : Agilent 4284A (1kHz, 1.0V)

*DCR Meter : ABM3245 (20m Ω ~2M Ω)

*Bias Current : Agilent 4284A + Agilent 42841A

*Inductance drop = 20% at rated current

Note: It is developing excepts the thing which we produced.