

SMD INDUCTOR

Fixed Inductor for Surface Mounting

SPM3215

SMD Nonshielded type

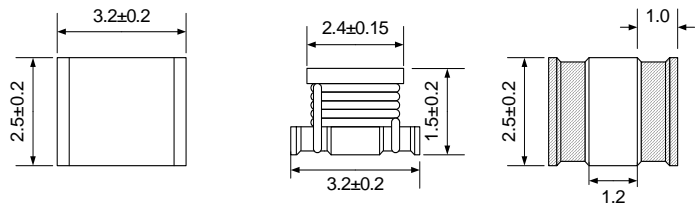
UNIT : mm

TYPE SPM3215
For Reflow Soldering
Frequency Range: 1kHz ~1MHz
Inductance Range: 2.2 ~ 100uH

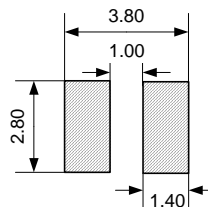
Features

- *Low profile (1.5mm 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 ,max)	Rated current (A,max)	Marking
SPM3215-2R2M	2.2 \pm 20%	110	1.5	2R2
SPM3215-2R7M	2.7 \pm 20%	120	1.4	2R7
SPM3215-3R3M	3.3 \pm 20%	150	1.2	3R3
SPM3215-4R7M	4.7 \pm 20%	175	1.0	4R7
SPM3215-5R6M	5.6 \pm 20%	210	0.95	5R6
SPM3215-6R8M	6.8 \pm 20%	280	0.85	6R8
SPM3215-8R2M	8.2 \pm 20%	310	0.75	8R2
SPM3215-100M	10 \pm 20%	370	0.70	100
SPM3215-120M	12 \pm 20%	400	0.65	120
SPM3215-150M	15 \pm 20%	600	0.55	150
SPM3215-220M	22 \pm 20%	770	0.45	220
SPM3215-270M	27 \pm 20%	880	0.40	270
SPM3215-330M	33 \pm 20%	1.1(Ω)	0.35	330
SPM3215-470M	47 \pm 20%	1.5(Ω)	0.30	470
SPM3215-560M	56 \pm 20%	2.2(Ω)	0.26	560
SPM3215-680M	68 \pm 20%	2.5(Ω)	0.25	680
SPM3215-820M	82 \pm 20%	2.8(Ω)	0.22	820
SPM3215-101M	100 \pm 20%	3.3(Ω)	0.21	101

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