

SMD INDUCTOR

Fixed Inductor for Surface Mounting

SPM8050

SMD Nonshielded type

UNIT : mm

TYPE SPM8050

For Reflow Soldering

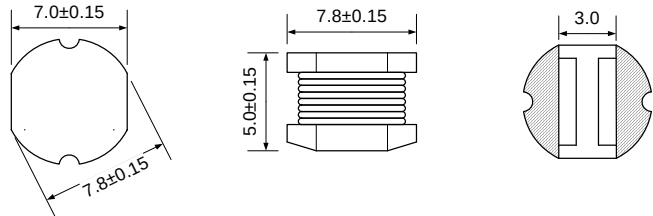
Frequency Range: 1kHz ~1MHz

Inductance Range: 3.3 ~ 470uH

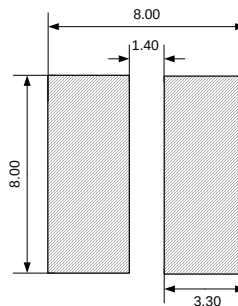
Features

- *Low profile SMD Type(5mm high)
- *Suitable for large current
- *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)	Rated current	Marking
			(A,max)	
SPM8050-3R3M	3.3±20%	25±20%	5.0	3R3
SPM8050-4R7M	4.7±20%	32±20%	4.5	4R7
SPM8050-6R8M	6.8±20%	38±20%	3.5	6R8
SPM8050-8R2M	8.2±20%	46±20%	3.4	8R2
SPM8050-100M	10.0±20%	48±20%	3.0	100
SPM8050-150M	15.0±20%	64±20%	2.5	150
SPM8050-220M	22.0±20%	78±20%	2.0	220
SPM8050-330M	33.0±20%	106±20%	1.7	330
SPM8050-470M	47.0±20%	140±20%	1.4	470
SPM8050-560M	56.0±20%	160±20%	1.3	560
SPM8050-680M	68.0±20%	188±20%	1.2	680
SPM8050-820M	82.0±20%	280±20%	1.1	820
SPM8050-101M	100.0±20%	322±20%	1.0	101

Standard Parts selection Guide

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

*DCR Meter : ABM3245 (20mΩ~2MΩ)

*Bias Current : Agilent 4284A + Agilent 42841A

*Inductance drop = 20% at rated current

Note: It is developing excepts the thing which we produced