

POWER INDUCTOR INDUCTOR

Fixed Inductor for Surface Mounting

SPY5022

SMD Shielded type

UNIT : mm

TYPE SPY5022

For Reflow Soldering

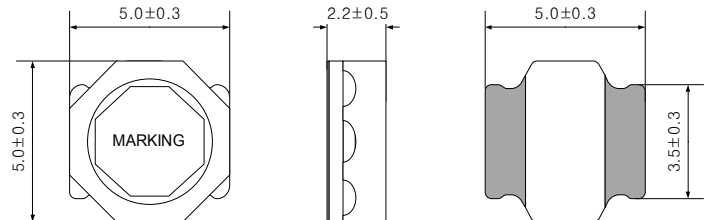
Frequency Range: 1kHz ~5MHz

Inductance Range: 2.2 ~ 100uH

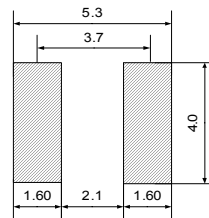
Features

- *Low profile (2.2mm 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(m Ω)	Rated current (A,max)	Marking
SPY5022-2R2N	2.2 \pm 30%	35 \pm 30%	3.3	2R2
SPY5022-4R7M	4.7 \pm 20%	65 \pm 30%	1.9	4R7
SPY5022-6R8M	6.8 \pm 20%	90 \pm 30%	1.3	6R8
SPY5022-100M	10 \pm 20%	117 \pm 30%	1.0	100
SPY5022-680M	68 \pm 20%	620 \pm 30%	0.4	680
SPY5022-101M	100 \pm 20%	940 \pm 20%	0.3	101

Standard Parts selection Guide

*Inductance : Agilent 4285A (100kHz, 1.0V)

*DCR Meter : ABM3245 (20m Ω ~2M Ω)

*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.