

INDUCTOR

Fixed Inductor for Surface Mounting

SPC12080

SMD Shielded type

UNIT : mm

TYPE SPC12080

For Reflow Soldering

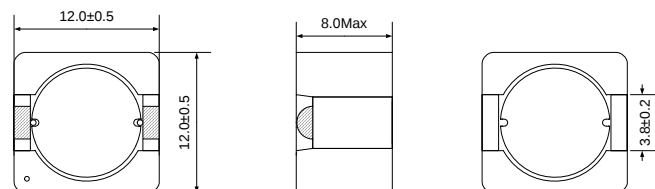
Frequency Range: 1kHz ~1MHz

Inductance Range: 2.4 ~ 2200uH

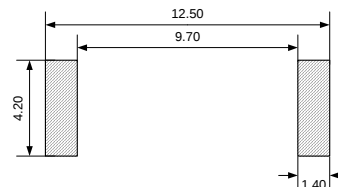
Features

- *Low profile SMD Type(8.0mm 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
SPC12080-2R4N	$2.4 \pm 30\%$	$9.80 \pm 30\%$	10.0	2R4
SPC12080-3R3M	$3.3 \pm 20\%$	$12.5 \pm 20\%$	9.0	3R3
SPC12080-4R7M	$4.7 \pm 20\%$	$16.0 \pm 20\%$	8.5	4R7
SPC12080-5R6M	$5.6 \pm 20\%$	$17.0 \pm 20\%$	8.4	5R6
SPC12080-6R8M	$6.8 \pm 20\%$	$18.5 \pm 20\%$	8.2	6R8
SPC12080-8R2M	$8.2 \pm 20\%$	$20 \pm 20\%$	8.0	8R2
SPC12080-100M	$10 \pm 20\%$	$23 \pm 20\%$	6.7	100
SPC12080-120M	$12 \pm 20\%$	$25 \pm 20\%$	6.5	120
SPC12080-150M	$15 \pm 20\%$	$27 \pm 20\%$	5.5	150
SPC12080-220M	$22 \pm 20\%$	$34 \pm 20\%$	4.8	220
SPC12080-330M	$33 \pm 20\%$	$40 \pm 20\%$	3.5	330
SPC12080-470M	$47 \pm 20\%$	$57 \pm 20\%$	3.0	470
SPC12080-560M	$56 \pm 20\%$	$63 \pm 20\%$	2.7	560
SPC12080-680M	$68 \pm 20\%$	$66 \pm 20\%$	2.4	680
SPC12080-820M	$82 \pm 20\%$	$97 \pm 20\%$	2.2	820
SPC12080-101M	$100 \pm 20\%$	$105 \pm 20\%$	2.1	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.