

SMD INDUCTOR

Fixed Inductor for Surface Mounting

SPC7040

SMD Shielded type

UNIT : mm

TYPE SPC7040

For Reflow Soldering

Frequency Range: 1kHz ~1MHz

Inductance Range: 2.2 ~ 100uH

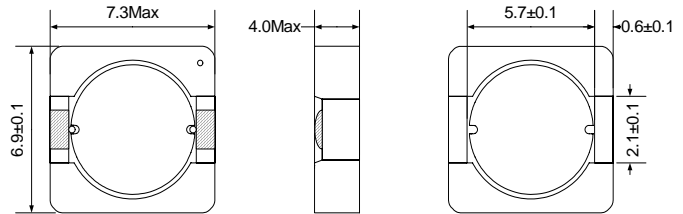
Features

*Low profile (4mm high)

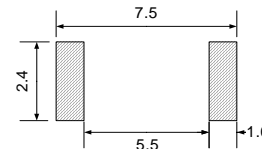
*Suitable for reflow soldering

*Available on tape and reel for automatic insertion

Dimensions



Recommended PCB Pattern:



Electrical Characteristics

Ordering code	Inductance range (μH)	DCR($\text{m}\Omega$,max)	Rated current (A,max)	Marking
SPC7040-2R2M	$2.2 \pm 20\%$	18	4.5	2R2
SPC7040-2R7M	$2.7 \pm 20\%$	20	4.4	2R7
SPC7040-3R3M	$3.3 \pm 20\%$	25	4.3	3R3
SPC7040-4R7M	$4.7 \pm 20\%$	30	3.5	4R7
SPC7040-5R6M	$5.6 \pm 20\%$	35	3.4	5R6
SPC7040-6R8M	$6.8 \pm 20\%$	40	3.2	6R8
SPC7040-8R2M	$8.2 \pm 20\%$	45	3.0	8R2
SPC7040-100M	$10 \pm 20\%$	50	2.5	100
SPC7040-120M	$12 \pm 20\%$	55	2.2	120
SPC7040-150M	$15 \pm 20\%$	60	2.1	150
SPC7040-220M	$22 \pm 20\%$	85	1.9	220
SPC7040-270M	$27 \pm 20\%$	105	1.6	270
SPC7040-330M	$33 \pm 20\%$	130	1.5	330
SPC7040-470M	$47 \pm 20\%$	170	1.2	470
SPC7040-560M	$56 \pm 20\%$	200	1.0	560
SPC7040-680M	$68 \pm 20\%$	210	0.9	680
SPC7040-820M	$82 \pm 20\%$	250	0.9	820
SPC7040-101M	$100 \pm 20\%$	350	0.8	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