

SMD INDUCTOR

Fixed Inductor for Surface Mounting

SPE8040

SMD Magnetic-resin shielded type

UNIT : mm

TYPE SPE8040

For Reflow Soldering

Frequency Range: 1kHz ~5MHz

Inductance Range: 1.0 ~ 330uH

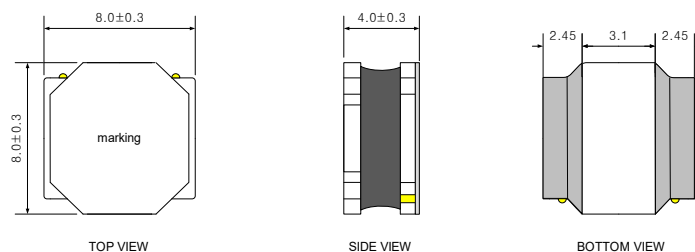
Features

*Low profile (4.0mm high)

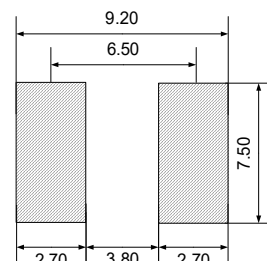
*Suitable for reflow soldering

*Available on tape and reel for automatic insertion

Dimensions



Recommended PCB Pattern



Electrical Characteristics

Ordering code	Inductance range (μH)	DCR(mΩ±30%)	Rated current (A,max)	Temperature rise current (A,max)	Marking
SPE8040-1R0N	1.0±30%	8	9.85	6.30	1R0
SPE8040-1R5N	1.5±30%	10	9.0	5.60	1R5
SPE8040-2R2N	2.2±30%	12	7.1	5.20	2R2
SPE8040-3R0N	3.0±30%	14	6.1	4.70	3R0
SPE8040-3R9N	3.9±30%	17	5.7	4.30	3R9
SPE8040-4R7M	4.7±20%	19	5.4	4.10	4R7
SPE8040-5R6M	5.6±20%	23	5.0	3.80	5R6
SPE8040-6R8M	6.8±20%	25	4.5	3.60	6R8
SPE8040-8R2M	8.2±20%	27	4.2	3.40	8R2
SPE8040-100M	10±20%	30	3.6	3.30	100
SPE8040-150M	15±20%	48	2.9	2.60	150
SPE8040-220M	22±20%	69	2.3	2.10	220
SPE8040-330M	33±20%	100	1.9	1.80	330
SPE8040-470M	47±20%	137	1.6	1.50	470
SPE8040-560M	56±20%	164	1.4	1.30	560
SPE8040-680M	68±20%	200	1.3	1.20	680
SPE8040-820M	82±20%	240	1.2	1.10	820
SPE8040-101M	100±20%	290	1.1	1.0	101
SPE8040-121M	120±20%	340	1.0	-	121
SPE8040-221M	220±20%	640	0.7	-	221
SPE8040-331M	330±20%	1,000	0.6	-	331

Standard Parts selection Guide

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

*DCR Meter : ABM3245 (20mΩ~2MΩ)

*Bias Current : Agilent 4285A + Agilent 42841A

*Temperature rise current : DC current that causes the temperature rise (ΔT =40°C) from 25°C ambient.

*Inductance drop = 30% at rated current / 판정기준 :3초 이내 측정

Note: It is developing excepts the thing which we produced