

◆ Feature

1. Lowest height in this package footprint.
2. Shielded construction.
3. Handles high transient current spikes without saturation.
4. Lowest DCR/ μ H, in this package size.
5. Frequency range up to 5MHz.
6. Ultra low buzz noise, due to composite construction.
7. Lead Free and RoHS compliant.

RoHS



◆ Application

Excellent for power line DC-DC conversion applications used in power switching, personal computers and other handheld electronic equipment.

◆ How to Order

SMP 1004 B 6R8 M V01

(1) (2) (3) (4) (5) (6)

(1) Series Name

(2) Dimension

(3) Type: Material code

(4) Inductance: 6R8= 6.8 μ H

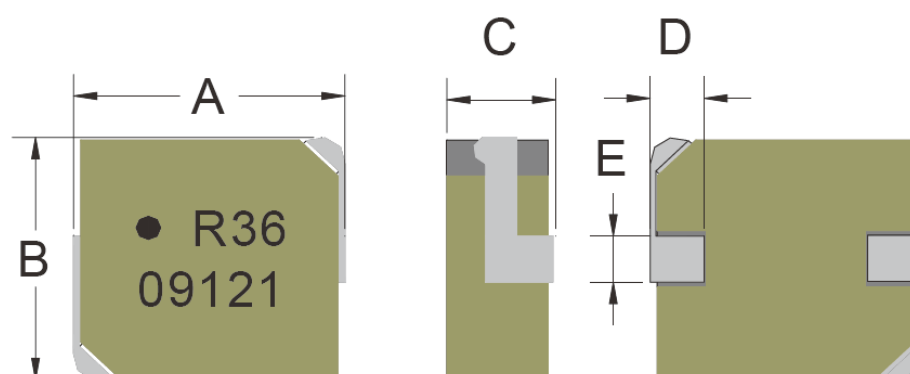
(5) Inductance Tolerance: M= $\pm$ 20%

(6) Control S/N

◆ Dimension

Unit: mm

SMP 1004 B Series	A	B	C	D	E
	11.0 $\pm$ 0.5	10.0 $\pm$ 0.5	4.0 Max.	2.5 $\pm$ 0.2	4.0 $\pm$ 0.2



◆ Specification

Part Number	Inductance L0(uH) ±20%@ 0 A	I rms (A) Typ.	I sat (A) Typ.	DCR (mΩ) Typ. @25°C	DCR (mΩ) Max. @25°C
SMP 1004B-R36M-V01	0.36	28	45	1.2	1.6
SMP 1004B-R45M-V01	0.45	25	42	1.5	1.7
SMP 1004B-R56M-V01	0.56	21	40	1.9	1.8
SMP 1004B-R88M-V01	0.88	17	34	2.6	2.9
SMP 1004B-1R0M-V01	1	15	28	3.3	4
SMP 1004B-1R5M-V01	1.5	14	22	4	6
SMP 1004B-2R2M-V01	2.2	13	21	6.2	8
SMP 1004B-3R3M-V01	3.3	11	20	10	14
SMP 1004B-4R7M-V01	4.7	10	18	16	19
SMP 1004B-5R6M-V01	5.6	9	16	18	22
SMP 1004B-6R8M-V01	6.8	8	14	21	30
SMP 1004B-8R2M-V01	8.2	7	12	29	35
SMP 1004B-100M-V01	10	6	11	32	40

◆ Package

Type	SMD		
Size(mm)	0603	1004	1203
Series	SMP0603H SMP0603B	SMP1004H SMP1004B	SMP1203W
Package(PCS)			
Size(mm)	0603	1004	1203
Chip / Reel	1000	500	600
Inner Box	2000	1000	1200
Carton	8000	4000	4800