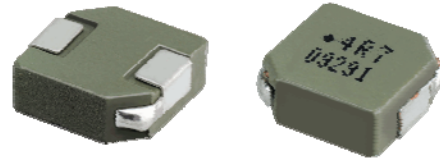


◆ Feature

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.



◆ Application

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

◆ How to Order

SMP **0603** **B** **6R8** **M** **V01**

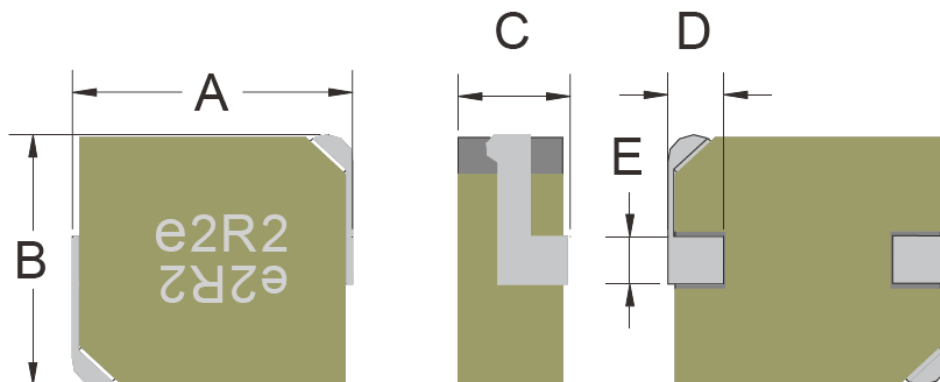
(1) (2) (3) (4) (5) (6)

- (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 0603 B Series	A	B	C	D	E
	7.3 \pm 0.5	6.6 \pm 0.5	2.8 \pm 0.2	1.25 \pm 0.2	3.0 \pm 0.2



◆ Specification

Part Number	Inductance L0(uH)	I rms	I sat	DCR (mΩ)	DCR (mΩ)
	±20% @ 0 A	(A) Typ.	(A) Typ.	Typ. @25°C	Max. @25°C
SMP 0603B-R47M-V01	0.47	17.5	26	3.3	5.3
SMP 0603B-R68M-V01	0.68	16	25	4.3	6.4
SMP 0603B-R82M-V01	0.82	13	24	4.9	7.8
SMP 0603B-1R0M-V01	1	10	22	6.9	9.4
SMP 0603B-1R5M-V01	1.5	9	18	10.6	14
SMP 0603B-2R2M-V01	2.2	8	15	11.5	18
SMP 0603B-3R3M-V01	3.3	6	13.5	19	25
SMP 0603B-4R7M-V01	4.7	5.5	11	23.3	32
SMP 0603B-5R6M-V01	5.6	5	8.5	32	40
SMP 0603B-6R8M-V01	6.8	4.5	8	38	44
SMP 0603B-8R2M-V01	8.2	3.7	7.5	54	60
SMP 0603B-100M-V01	10	3.2	7	64	72

◆ 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