

◆ Features

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

SPI 0703 AR 6R8 M V01

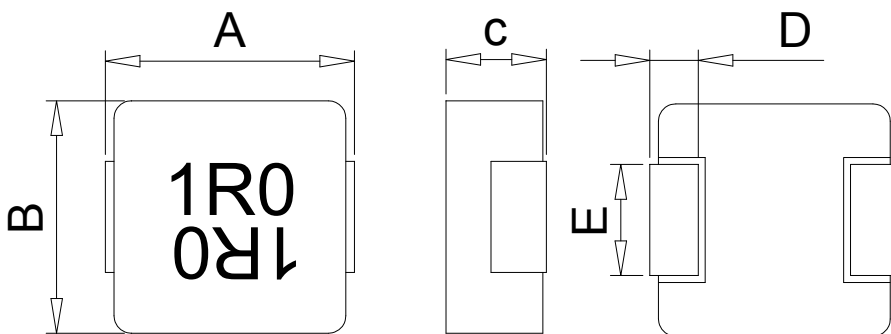
(1) (2) (3) (4) (5) (6)

- (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

◆ Dimensions

Unit: mm

SPI 0703 AR	A	B	C	D	E
Series	7.7 Max.	6.7 \pm 0.2	3.0 Max.	1.4 \pm 0.5	3.2 \pm 0.5



◆ Specification

Part Number	Inductance L0 (uH)±20% @ 0 A	I rms (A) Max.	I sat (A) Max.	DCR (mΩ)Typ. @25°C	DCR (mΩ)Max. @25°C
SPI0703AR-R33-M-V01	0.33	17	24	2.85	3.2
SPI0703AR-R47-M-V01	0.47	14.5	23	4.3	4.8
SPI0703AR-R68-M-V01	0.68	12	20	5.3	5.8
SPI0703AR-1R0-M-V01	1	11	17	6.85	7.2
SPI0703AR-1R5-M-V01	1.5	9.5	14	10.4	13
SPI0703AR-2R2-M-V01	2.2	7.3	11.5	18.8	23
SPI0703AR-3R3-M-V01	3.3	6	9.5	23.8	28
SPI0703AR-4R7-M-V01	4.7	5	8	33.2	38
SPI0703AR-5R6-M-V01	5.6	4.2	7	45.5	50
SPI0703AR-6R8-M-V01	6.8	4	6	52.5	58
SPI0703AR-100-M-V01	10	3.5	5.2	75.5	80

◆ Package

Type	SMD		
Size(mm)	0603	1004	1203
Series	SPI0703AR	SPI1004AR	SMP1203W
Package(PCS)			
Size(mm)	0603	1004	1203
Chip / Reel	100	500	600
Inner Box	2000	1000	1200
Carton	8000	4000	4800