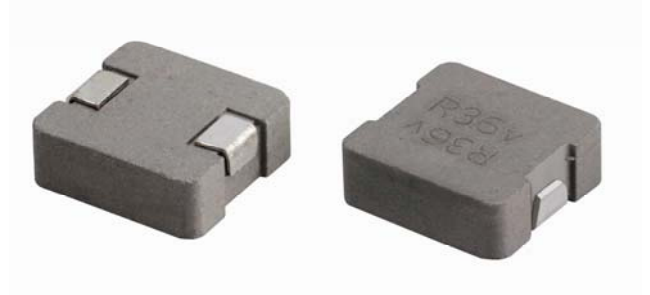


RoHS

### ◆ Feature

1. Lowest height in this package footprint.
2. Shielded construction.
3. Handles high transient current spikes without saturation.
4. Lowest DCR/ $\mu\text{H}$ , 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 1004 AR R88 M V01**

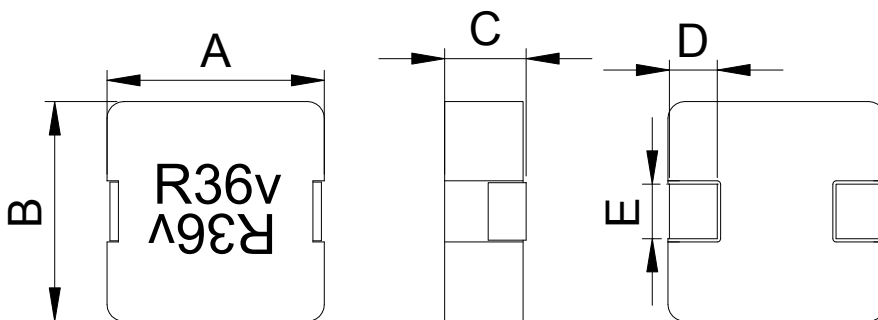
(1) (2) (3) (4) (5) (6)

- (1) Series Name
- (2) Dimension
- (3) Type: Material code
- (4) Inductance: R88= 0.88 $\mu\text{H}$
- (5) Inductance Tolerance: M= $\pm 20\%$
- (6) Control S/N

### ◆ Dimension

Unit: mm

SPI 1004 AR	A	B	C	D	E
Series	11.0 Max.	10.0 $\pm 0.3$	4.0 Max.	2.1 $\pm 0.3$	3.0 $\pm 0.3$



### ◆ Specification

Part Number	Inductance L0 (uH)±20% @ 0 A	I rms (A) Max.	I sat (A) Max.	DCR (mΩ) ±10% @25°C
SPI1004AR-R36-M-V01	0.36	30	40	1.05
SPI1004AR-R45-M-V01	0.45	25	35	1.1

### ◆ 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