

## SMD POWER INDUCTOR

### JS 8D SERIES



### **FEATURES/APPLICATOINS**

- .Carrier tape packing use for SMT
- .High rated current & Low DCR,octagon
- .Magnetically shielded construction
- .Suitable for reflow SMT craft soldering
- .Lead free products, RoHS compliant
- .Widely use in Digital products & Scanner/DC-DC converter/Power supply for VTP/LCD monitor/portable terminal equipment/Telecommunications/Notebook and PC Peripheral equipments etc

---

## PRODUCT INDICATION

**JS**      **8D43**      –      **4R7**      **M**

①

②

③

④

① Product type: JS type

② External dimension: Quadrate, 8D for Diameter 8.0mm  
43 for Height 4.3mm

③ Electrical code: 4R7 for 4.7 $\mu$ H Tolerance:

④ K for  $\pm 10\%$ ; M for  $\pm 20\%$

### Page

JS8D28 .....	3
JS8D38 .....	4
JS8D43 .....	5

### ■ Notes:

●

Inductance instrument: HP4286A/CH1062A or LCR Meter equivalent.

●

Inductance testing condition: 100KHz/1KHz.

●

DCR instrument: TH2512B or DCR test equipment equivalent .

●

Rated Current test: VR7210&VR113H.

●

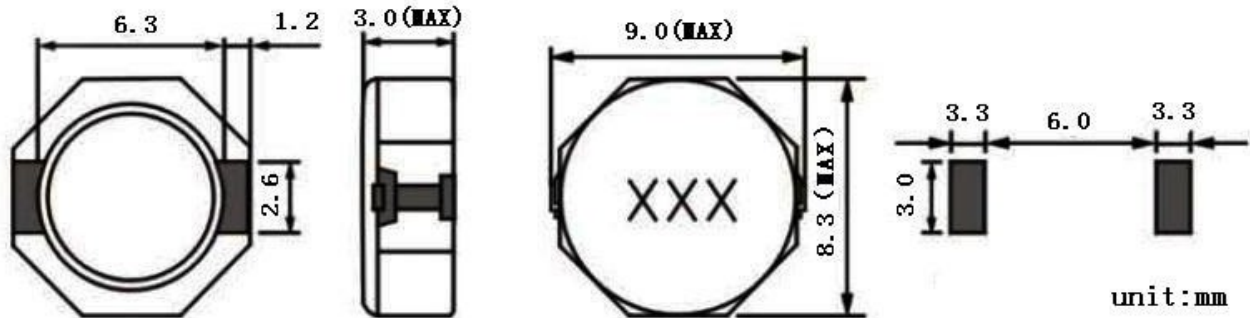
Rated Current definition: Inductance drop by 25% or temperature rise by 40°C  
the lesser of the minimum as the rated current.

●

Temperature storage range: -25°C~80°C the relative humidity: RH65%~85%.

# JS8D28

SIZE AND DIMENSIONS



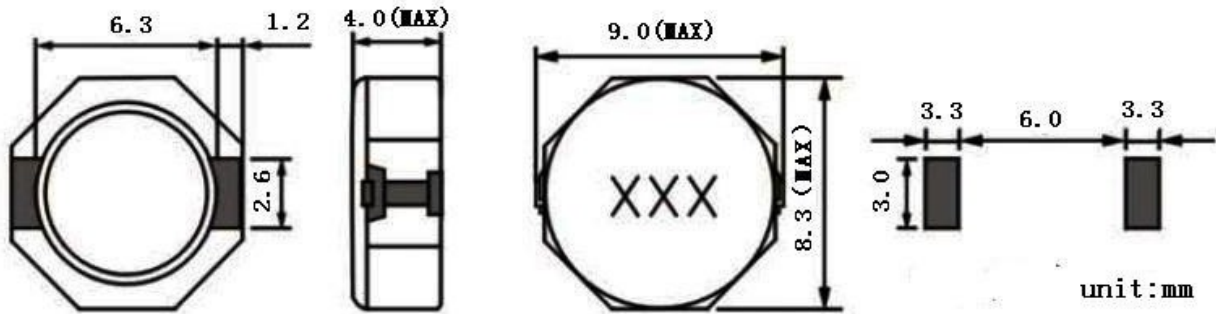
## Electrical Characteristics JS8D28 Series

Part NO	Test Condition	Inductance( $\mu$ H)	Tolerance(%)	DC Resistance( $\Omega$ )Max	Rated Current(A)Max
JS8D28-2R2M	100KHz/0.1V	2.2	$\pm 20$	0.016	4.5
JS8D28-3R3M	100KHz/0.1V	3.3	$\pm 20$	0.018	4
JS8D28-4R7M	100KHz/0.1V	4.7	$\pm 20$	0.025	3.4
JS8D28-6R8M	100KHz/0.1V	6.8	$\pm 20$	0.039	2.8
JS8D28-100M	100KHz/0.1V	10	$\pm 20$	0.047	2.5
JS8D28-150M	100KHz/0.1V	15	$\pm 20$	0.069	1.9
JS8D28-220M	100KHz/0.1V	22	$\pm 20$	0.099	1.6
JS8D28-330M	100KHz/0.1V	33	$\pm 20$	0.156	1.3
JS8D28-470M	100KHz/0.1V	47	$\pm 20$	0.195	1.15
JS8D28-680M	100KHz/0.1V	68	$\pm 20$	0.286	0.92
JS8D28-101M	100KHz/0.1V	100	$\pm 20$	0.98	0.75

Special inquiries besides the above common used types can be meet

# JS8D38

SIZE AND DIMENSIONS



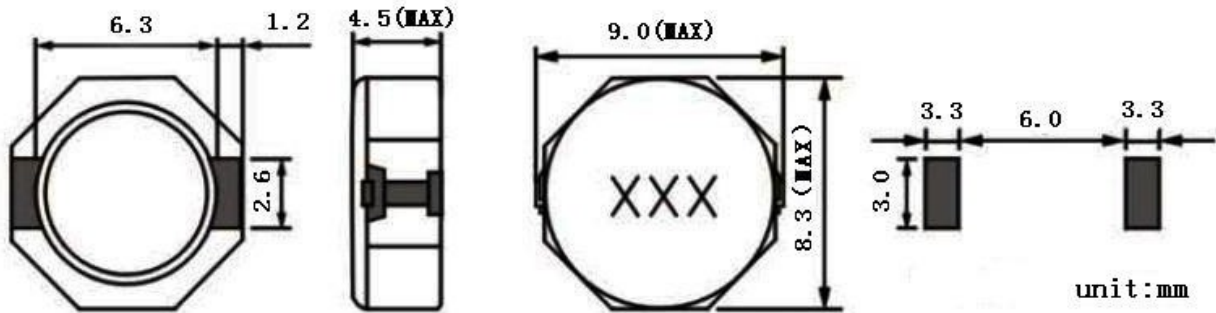
## Electrical Characteristics JS8D38 Series

Part NO	Test Condition	Inductance( $\mu$ H)	Tolerance(%)	DC Resistance( $\Omega$ )Max	Rated Current(A)Max
JS8D38-1R5M	100KHz/0.1V	1.5	$\pm 20$	0.016	6.2
JS8D38-2R2M	100KHz/0.1V	2.2	$\pm 20$	0.018	5.5
JS8D38-3R3M	100KHz/0.1V	3.3	$\pm 20$	0.024	4.4
JS8D38-4R7M	100KHz/0.1V	4.7	$\pm 20$	0.029	4
JS8D38-6R8M	100KHz/0.1V	6.8	$\pm 20$	0.032	3.5
JS8D38-100M	100KHz/0.1V	10	$\pm 20$	0.048	2.6
JS8D38-150M	100KHz/0.1V	15	$\pm 20$	0.067	2.3
JS8D38-220M	100KHz/0.1V	22	$\pm 20$	0.105	1.88
JS8D38-330M	100KHz/0.1V	33	$\pm 20$	0.157	1.52
JS8D38-470M	100KHz/0.1V	47	$\pm 20$	0.189	1.28
JS8D38-680M	100KHz/0.1V	68	$\pm 20$	0.29	1.1
JS8D38-101M	100KHz/0.1V	100	$\pm 20$	0.41	0.88

Special inquiries besides the above common used types can be meet

# JS8D43

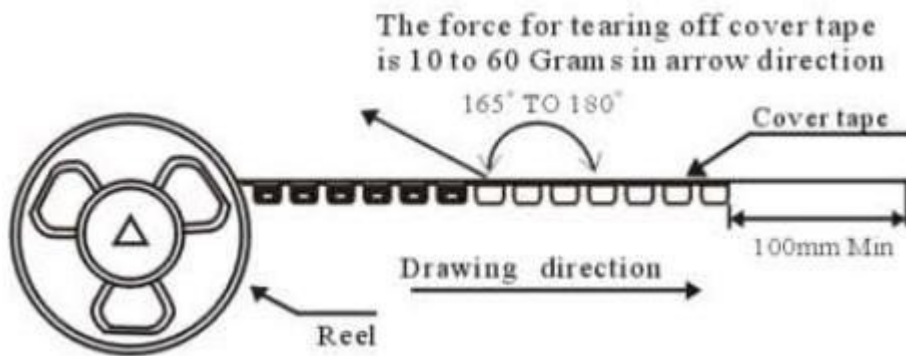
## SHAPE AND DIMENSIONS



## Electrical Characteristics JS8D43 Series

Part NO	Test Condition	Inductance( $\mu$ H)	Tolerance(%)	DC Resistance( $\Omega$ )Max	Rated Current(A)Max
JS8D43-2R2M	100KHz/0.1V	2.2	$\pm 20$	0.014	7
JS8D43-3R3M	100KHz/0.1V	3.3	$\pm 20$	0.019	5.9
JS8D43-4R7M	100KHz/0.1V	4.7	$\pm 20$	0.022	5.6
JS8D43-6R8M	100KHz/0.1V	6.8	$\pm 20$	0.025	4.4
JS8D43-8R2M	100KHz/0.1V	8.2	$\pm 20$	0.033	4.2
JS8D43-100M	100KHz/0.1V	10	$\pm 20$	0.036	4
JS8D43-150M	100KHz/0.1V	15	$\pm 20$	0.053	2.9
JS8D43-220M	100KHz/0.1V	22	$\pm 20$	0.075	2.6
JS8D43-330M	100KHz/0.1V	33	$\pm 20$	0.125	2.2
JS8D43-470M	100KHz/0.1V	47	$\pm 20$	0.15	1.8
JS8D43-680M	100KHz/0.1V	68	$\pm 20$	0.24	1.5
JS8D43-101M	100KHz/0.1V	100	$\pm 20$	0.36	1.3

Special inquiries besides the above common used types can be meet



TYPE	QUANTITIES PCS/reel	TYPE	QUANTITIES PCS/reel
JS8D28	1000	JS8D43	1000 or 500
JS8D38	1000	XXX	XXX