

SMD POWER INDUCTOR

JDS SERIES



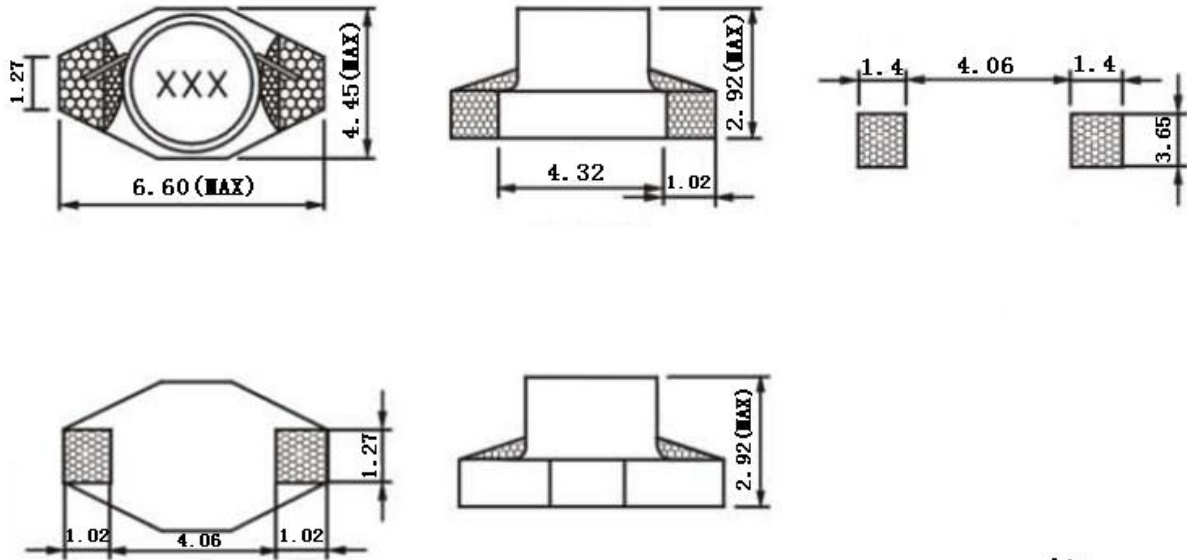
**FEATURES/APPLICATOINS**

- .Carrier tape packing use for SMT
- .High rated current & Low DCR,Quadrate; Elliptic:4.5x6.6mm~15x18.5mm  
Height:2.9mm~7.5mm.
- .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



# JDS1608

## SHAPE AND DIMENSIONS



## Electrical Characteristics JDS1608 Series

Part NO	Test Condition	Inductance( $\mu$ H)	Tolerance(%)	DC Resistance( $\Omega$ )Max	Rated Current(A)Max
JDS1608-1R0M	100KHz/0.1V	1	$\pm 20$	0.04	3
JDS1608-1R5M	100KHz/0.1V	1.5	$\pm 20$	0.045	2.8
JDS1608-2R2M	100KHz/0.1V	2.2	$\pm 20$	0.05	1.8
JDS1608-3R3M	100KHz/0.1V	3.3	$\pm 20$	0.055	1.6
JDS1608-4R7M	100KHz/0.1V	4.7	$\pm 20$	0.06	1.4
JDS1608-6R8M	100KHz/0.1V	6.8	$\pm 20$	0.065	1.2
JDS1608-100M	100KHz/0.1V	10	$\pm 20$	0.075	1
JDS1608-150M	100KHz/0.1V	15	$\pm 20$	0.09	0.8

Special inquiries besides the above common used types can be meet

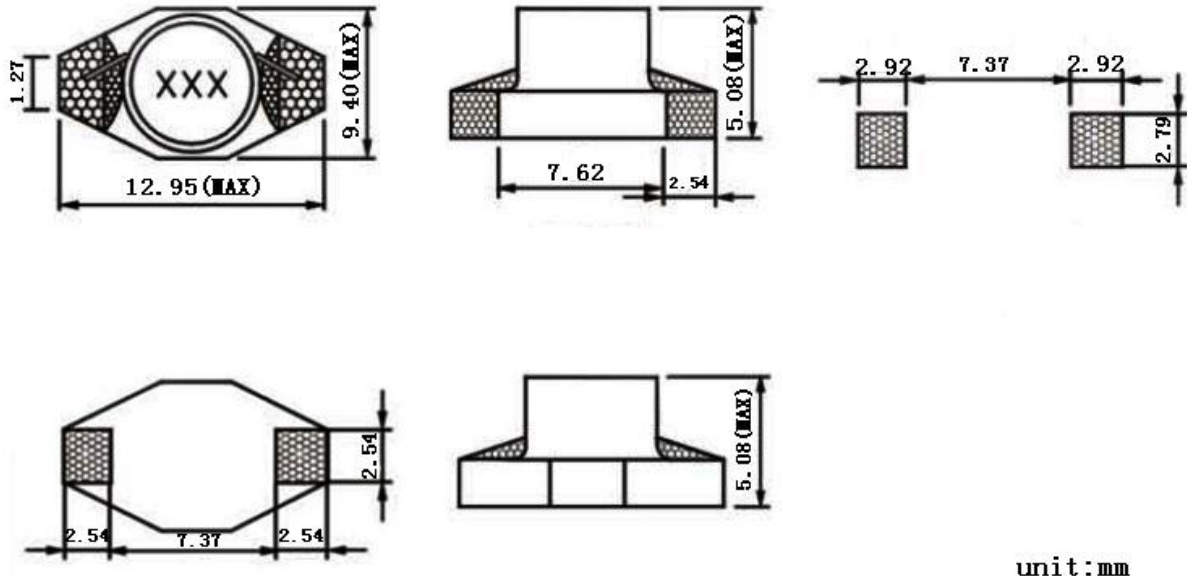
### Electrical Characteristics JDS1608 Series

Part NO	Test Condition	Inductance( $\mu$ H)	Tolerance(%)	DC Resistance( $\Omega$ )Max	Rated Current(A)Max
JDS1608-220M	100KHz/0.1V	22	$\pm 20$	0.11	0.7
JDS1608-330M	100KHz/0.1V	33	$\pm 20$	0.19	0.6
JDS1608-470M	100KHz/0.1V	47	$\pm 20$	0.23	0.5
JDS1608-680M	100KHz/0.1V	68	$\pm 20$	0.29	0.4
JDS1608-101M	100KHz/0.1V	100	$\pm 20$	0.48	0.3
JDS1608-151M	100KHz/0.1V	150	$\pm 20$	0.59	0.26
JDS1608-221M	100KHz/0.1V	220	$\pm 20$	0.9	0.22
JDS1608-331M	100KHz/0.1V	330	$\pm 20$	1.4	0.2
JDS1608-471M	100KHz/0.1V	470	$\pm 20$	1.8	0.19
JDS1608-681M	100KHz/0.1V	680	$\pm 20$	2.2	0.18
JDS1608-102M	100KHz/0.1V	1000	$\pm 20$	3.4	0.15
JDS1608-152M	100KHz/0.1V	1500	$\pm 20$	4.2	0.12
JDS1608-222M	100KHz/0.1V	2200	$\pm 20$	8.5	0.1
JDS1608-332M	100KHz/0.1V	3300	$\pm 20$	11	0.08
JDS1608-472M	100KHz/0.1V	4700	$\pm 20$	13.9	0.06
JDS1608-682M	100KHz/0.1V	6800	$\pm 20$	25	0.04
JDS1608-103M	100KHz/0.1V	10000	$\pm 20$	32.8	0.02

**Special inquiries besides the above common used types can be meet**

# JDS3316

## SHAPE AND DIMENSIONS



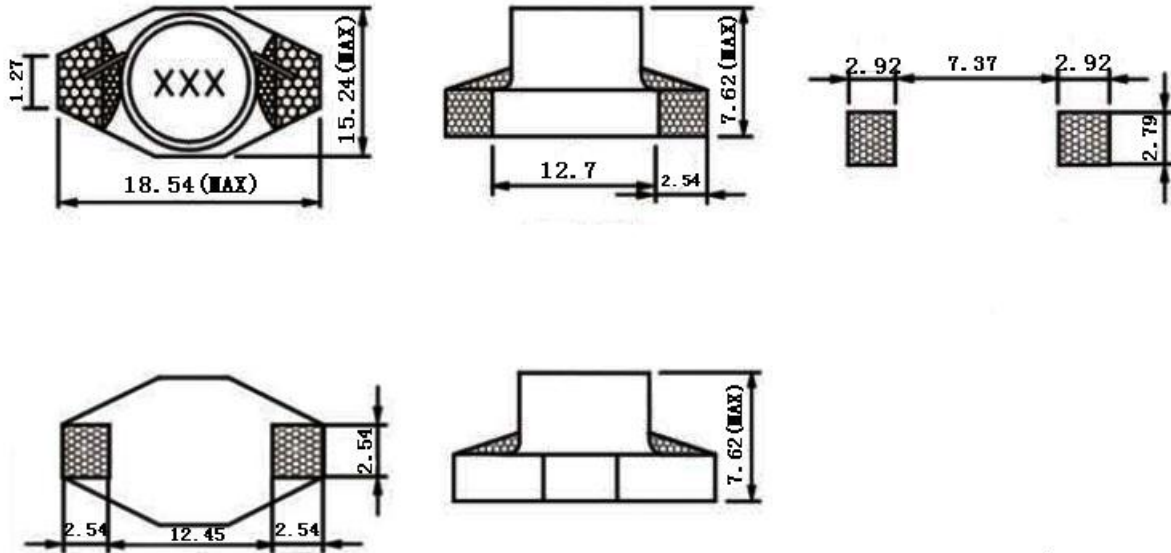
## Electrical Characteristics JDS3316 Series

Part NO	Test Condition	Inductance(μH)	Tolerance(%)	DC Resistance(Ω)Max	Rated Current(A)Max
JDS3316-1R0M	100KHz/0.1V	1	±20	0.021	5.6
JDS3316-1R5M	100KHz/0.1V	1.5	±20	0.022	5.2
JDS3316-2R2M	100KHz/0.1V	2.2	±20	0.032	5
JDS3316-3R3M	100KHz/0.1V	3.3	±20	0.039	3.9
JDS3316-4R7M	100KHz/0.1V	4.7	±20	0.054	3.2
JDS3316-6R8M	100KHz/0.1V	6.8	±20	0.075	2.8
JDS3316-100M	100KHz/0.1V	10	±20	0.101	2.4
JDS3316-150M	100KHz/0.1V	15	±20	0.15	2
JDS3316-220M	100KHz/0.1V	22	±20	0.207	1.6
JDS3316-330M	100KHz/0.1V	33	±20	0.334	1.4
JDS3316-470M	100KHz/0.1V	47	±20	0.472	1

Special inquiries besides the above common used types can be meet

# JDS5022

## SHAPE AND DIMENSIONS



unit:mm

## Electrical Characteristics JDS5022 Series

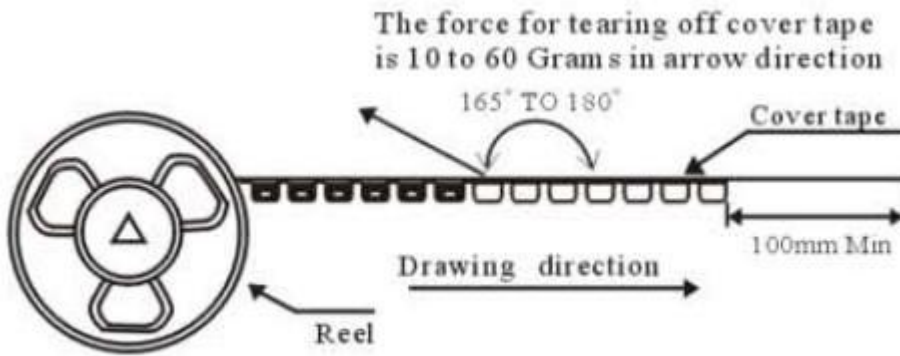
Part NO	Test Condition	Inductance(μH)	Tolerance(%)	DC Resistance(Ω)Max	Rated Current(A)Max
JDS5022-100M	100KHz/0.1V	10	±20	0.04	8
JDS5022-150M	100KHz/0.1V	15	±20	0.048	7
JDS5022-220M	100KHz/0.1V	22	±20	0.059	6
JDS5022-330M	100KHz/0.1V	33	±20	0.075	5
JDS5022-470M	100KHz/0.1V	47	±20	0.097	4
JDS5022-680M	100KHz/0.1V	68	±20	0.138	3
JDS5022-101M	100KHz/0.1V	100	±20	0.207	2.4
JDS5022-151M	100KHz/0.1V	150	±20	0.293	2.1
JDS5022-221M	100KHz/0.1V	220	±20	0.47	1.9
JDS5022-331M	100KHz/0.1V	330	±20	0.78	1.1
JDS5022-471M	100KHz/0.1V	470	±20	1.08	1.1

Special inquiries besides the above common used types can be meet

**Electrical Characteristics JDS5022 Series**

Part NO	Test Condition	Inductance( $\mu$ H)	Tolerance(%)	DC Resistance( $\Omega$ )Max	Rated Current(A)Max
JDS5022-681M	100KHz/0.1V	680	$\pm 20$	1.4	0.96
JDS5022-102M	100KHz/0.1V	1000	$\pm 20$	2.01	0.8

Special inquiries besides the above common used types can be meet



TYPE	QUANTITIES PCS/reel	TYPE	QUANTITIES PCS/reel
JDS1608	2500	JDS5022	400
JDS3316	1000	XXX	XXX