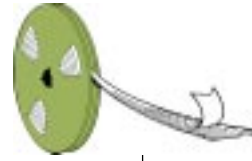


# Power Choke SMD

high current winding - shielded

## Key features

- high current capability
- available up to 15000 $\mu$ H in value
- ferrite core
- up to 3.0 amps
- 10.5mm square body package
- taped and reeled
- high reliability
- two circuit styles



## type 3632 series

This is an innovative range of shielded power chokes which have been designed for a range of industrial and consumer applications. Current ratings up to 3 Amps are possible and inductance values rise up to 15000 $\mu$ H.

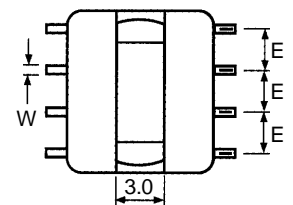
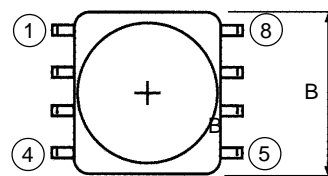
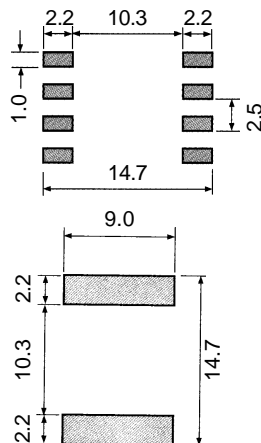
Power Inductors SMD

## Specification

### Electrical ~ Package A

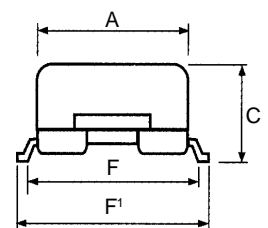
Inductance Code	Inductance ( $\mu$ H)	Tolerance ( $\pm$ %)	Q Min	LQ Test Freq. (Hz)	S.R.F. (MHz) Min.	Rdc Max (w)	Idc (A) Max
100	10.0	20	35	2.52	29.0	0.08	1.80
150	15.0	20	35	2.52	23.0	0.10	1.60
220	22.0	20	35	2.52	19.0	0.13	1.40
330	33.0	20	35	2.52	15.0	0.15	1.20
470	47.0	20	35	2.52	12.0	0.18	1.00
680	68.0	20	35	2.52	9.0	0.35	0.85
101	100.0	15	40	0.796	7.5	0.42	0.70
151	150.0	15	40	0.796	6.0	0.55	0.60
221	220.0	15	40	0.796	5.0	1.00	0.48
331	330.0	15	40	0.796	4.5	1.30	0.40
471	470.0	15	35	0.796	4.0	1.60	0.35
681	680.0	15	60	0.796	2.7	3.20	0.25
102	1000	15	100	0.252	2.3	4.00	0.22
152	1500	15	100	0.252	2.0	5.20	0.18
222	2200	15	100	0.252	1.5	8.50	0.16
332	3300	15	100	0.252	1.3	11.00	0.12
472	4700	15	100	0.252	1.0	19.00	0.10
682	6800	15	100	0.252	0.9	24.00	0.09
103	10000	15	100	79.60	0.7	38.00	0.07

## Dimensions



Package A $\pm$ 0.3 B C $\pm$ 0.3 E $\pm$ 0.3 F $\pm$ 0.5 F' $\pm$ 0.8 W $\pm$ 0.1

A	9.5	10.5	6.0	2.5	11.0	12.7	0.7
B	9.5	10.5	7.5	2.5	11.0	12.7	0.7



sales action desk  
sales fax line  
e-mail

(01793) 611666  
(01793) 611777  
sales@megelec.co.uk

### Specification

#### Electrical ~ Package B

Inductance Code	Inductance ( $\mu\text{H}$ )	Tolerance ( $\pm\%$ )	Q Min	LQ Test Freq. (Hz)	S.R.F. (MHz) Min.	Rdc Max ( $\omega$ )	Idc (A) Max
100	10.0	20	33	2.52	11.00	0.040	3.00
120	12.0	20	40	2.52	11.00	0.050	2.50
150	15.0	20	45	2.52	8.50	0.065	2.20
180	18.0	20	40	2.52	8.50	0.075	2.00
220	22.0	20	35	2.52	6.00	0.080	1.90
270	27.0	20	45	2.52	6.00	0.090	1.80
330	33.0	20	40	2.52	5.00	0.100	1.70
390	39.0	20	45	2.52	5.00	0.135	1.50
470	47.0	20	40	2.52	4.00	0.150	1.40
560	56.0	20	35	2.52	3.00	0.165	1.35
680	68.0	20	30	2.52	2.50	0.184	1.25
820	82.0	20	30	2.52	2.40	0.260	1.05
101	100.0	15	40	0.796	6.00	0.280	1.00
121	120.0	15	42	0.796	5.70	0.340	0.90
151	150.0	15	45	0.796	4.60	0.450	0.80
181	180.0	15	35	0.796	4.20	0.500	0.70
221	220.0	15	35	0.796	3.80	0.600	0.65
271	270.0	15	30	0.796	3.40	0.700	0.60
331	330.0	15	30	0.796	3.00	0.800	0.55
391	390.0	15	33	0.796	2.60	1.000	0.50
471	470.0	15	30	0.796	2.30	1.150	0.45
561	560.0	15	35	0.796	2.20	1.500	0.38
681	680.0	15	30	0.796	2.00	1.700	0.35
821	820.0	15	35	0.796	1.90	2.200	0.32
102	1000	15	85	0.252	1.80	2.500	0.30
152	1500	15	120	0.252	1.30	4.000	0.25
222	2200	15	95	0.252	1.00	5.000	0.20
332	3300	15	95	0.252	0.90	8.000	0.15
472	4700	15	90	0.252	0.80	12.000	0.12
682	6800	15	90	0.252	0.60	16.500	0.10
103	10000	15	110	79.60	0.50	26.000	0.095
153	15000	15	130	79.60	0.40	40.000	0.075

### Specification

#### Temperature

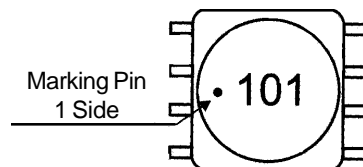
Temperature Rise:	40°C maximum
Rated Current:	Base on Temperature Rise & D L/LOA =10% maximum
Storage Temperature:	-25°C to +85°C
Operating Temperature:	-20°C to +80°C
Resistance To Solder Heat:	260°C for 10 seconds maximum

### Marking, Schematic, Tape & Reel

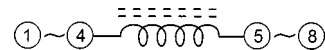
#### Tape and Reel Specification

Package A ~ 600 pieces per 13" Reel  
 Package B ~ 400 pieces per 13" Reel

#### Marking

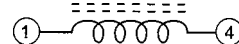


#### 3632B (10 $\mu\text{H}$ ~82 $\mu\text{H}$ )



#### 3632A

#### 3632B (100 $\mu\text{H}$ ~15000 $\mu\text{H}$ )



### How to Order

3632	A	1R5	M
<b>Common Part</b>	<b>Package Size</b>	<b>Inductance Value</b>	<b>Tolerance</b>
3632 - SMD Power Choke	A - 9.5 x 10.5 x 6.0 B - 9.5 x 10.5 x 7.5	See table above for inductance code	L - $\pm 15\%$ M - $\pm 20\%$