

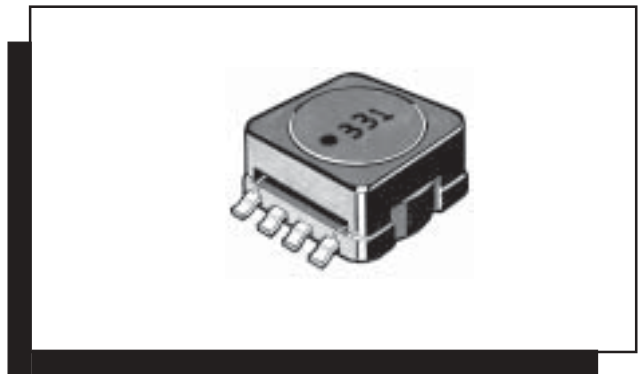
MEGGITT SIGMA  
AXIAL INDUCTORS  
SMD INDUCTORS  
THIN FILM PRINTED INDUCTORS  
POWER CHOKES IN  
RADIAL AND AXIAL STYLE

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## Surface Mount Shielded Power Inductors

### TYPE 3632 SERIES

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A modern range of high current inductors, designed in low profile packages for a range of industrial applications. Offered in values from 10 $\mu$ H to 1500 $\mu$ H with tolerances of  $\pm$ 15% or  $\pm$ 20% as shown and in two popular sizes. These inductors are frequently chosen for new applications in power supplies.

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### MEGGITT SIGMA KEY FEATURES

- HIGH CURRENT CAPABILITY
  - VALUES UP TO 1500 $\mu$ H
  - FERRITE CORE
  - HANDLES UP TO 3.0 AMPS
  - ONLY 9.0mm x 8.0mm MAXIMUM
  - TAPED AND REELED
  - HIGH RELIABILITY
  - TWO CIRCUIT STYLES
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MEGGITT ELECTRONIC  
COMPONENTS LTD

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ELECTRICAL

Electrical - Type A

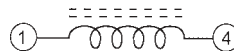
Inductance Code	Inductance (μH)	Tolerance (± %)	Q Min	LQ Test Freq. (MHz)	S.R.F. (MHz) Min.	Rdc Max (Ω)	Idc (A) Max
100	10.0	20	35	2.52	29.0	0.08	1.80
150	15.0	20	35	2.52	23.0	0.10	1.60
220	22.0	20	35	2.52	19.0	0.13	1.40
330	33.0	20	35	2.52	15.0	0.15	1.20
470	47.0	20	35	2.52	12.0	0.18	1.00
680	68.0	20	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

Electrical - B Type

Inductance Code	Inductance (μH)	Tolerance (± %)	Q Min	LQ Test Freq. (MHz)	S.R.F. (MHz) Min.	Rdc Max (Ω)	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

SCHEMATIC

3632A / 3632B (100μH~15000μH)



3632B (10μH~82μH)



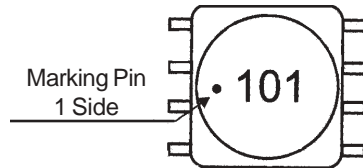
TEMPERATURE

Temperature Rise:	40°C maximum
Rated Current:	Base on Temperature Rise & ΔL/LOA =10% maximum
Storage Temperature:	-40°C to +105°C
Operating Temperature:	-25°C to +85°C
Resistance To Solder Heat:	260°C for 10 seconds maximum

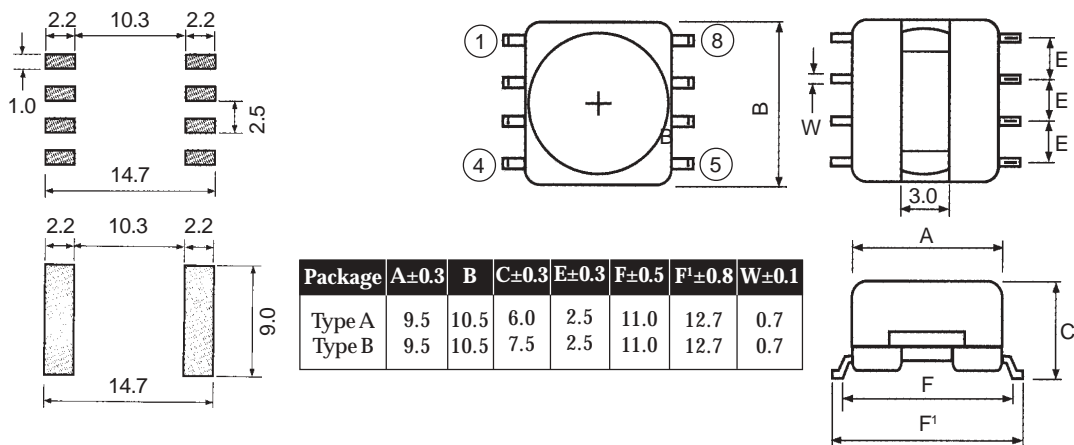
PACKAGING

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

MARKING



DIMENSIONS



All Dimensions are Nominal and in mm Do Not Scale

HOW TO ORDER

<b>3632</b>	<b>A</b>	<b>101</b>	<b>M</b>	<b>TM</b>
<b>Common Part</b>	<b>Package Style</b>	<b>Inductance Value</b>	<b>Tolerance</b>	<b>Tolerance</b>
3632- Shielded Power Choke	A - 9.0 x 6.0 B - 9.0 x 8.0	See table above for inductance code	L - ± 15% M - ± 20%	TM - Taped and Reeled