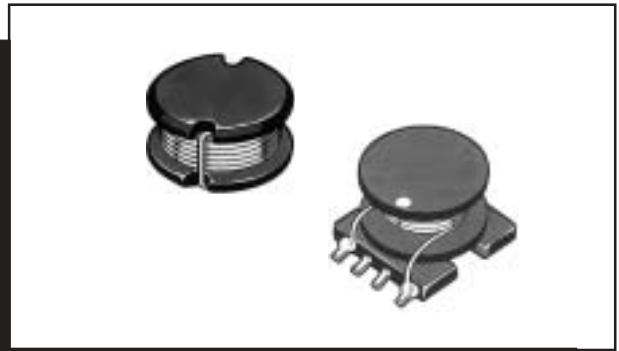


MEGGITT SIGMA
AXIAL INDUCTORS
SMD INDUCTORS
THIN FILM PRINTED INDUCTORS
POWER CHOKES IN
RADIAL AND AXIAL STYLE

Surface Mount High Current Inductors

TYPE 3621 SERIES



A modern range of surface mount high current power chokes, suited to a range of industrial applications. Low cost, five convenient sizes and large area terminals providing excellent solder flow connections, are key design advantages of the 3621 series. Current ratings up to 3 Amps can be achieved. Design Kits are available for the 3621 Type C and E, please enquire.

MEGGITT SIGMA KEY FEATURES

- HIGH CURRENT CAPABILITY
 - VALUES IN E12 GRID AVAILABLE
 - FERRITE CORE
 - HANDLES UP TO 3.0 AMPS
 - ONLY 5.6mm SQUARE
 - TAPED AND REELED
 - HIGH RELIABILITY
 - FIVE PACKAGE STYLES
-

MEGGITT ELECTRONIC
COMPONENTS LTD

SALES ACTION DESK
TEL: (01793 611666)
FAX: (01793 611777)
EMAIL: sales@megelec.co.uk
WEB SITE: www.meggittelectronics.com

ELECTRICAL

3621 Type A

Inductance Code	Inductance (μ H)	Tolerance ($\pm$ %)	Q Min	LQ Test Freq. (MHz)	S.R.F. (MHz) Min.	Rdc Max (ohms)	Idc (A) Max
100	10.0	20	35	2.52	25.0	0.09	2.10
120	12.0	20	35	2.52	23.0	0.10	2.00
150	15.0	20	35	2.52	22.0	0.11	1.90
180	18.0	20	35	2.52	19.0	0.12	1.80
220	22.0	20	35	2.52	16.0	0.13	1.60
270	27.0	10	35	2.52	15.0	0.15	1.40
330	33.0	10	35	2.52	13.5	0.18	1.25
390	39.0	10	25	2.52	13.0	0.19	1.15
470	47.0	10	25	2.52	12.2	0.23	1.10
560	56.0	10	25	2.52	12.0	0.26	1.05
680	68.0	10	20	2.52	10.0	0.31	1.00
820	82.0	10	20	2.52	9.2	0.33	0.95
101	100.0	10	15	0.796	9.0	0.39	0.90
121	120.0	10	15	0.796	8.0	0.43	0.85
151	150.0	10	15	0.796	7.5	0.56	0.75
181	180.0	10	15	0.796	7.0	0.64	0.70
221	220.0	10	20	0.796	6.0	0.85	0.60
271	270.0	10	20	0.796	5.5	1.00	0.55
331	330.0	10	20	0.796	5.3	1.27	0.50
391	390.0	10	15	0.796	5.0	1.40	0.45
471	470.0	10	15	0.796	4.8	1.63	0.40
561	560.0	10	15	0.796	4.5	2.10	0.32
681	680.0	10	15	0.796	4.0	2.40	0.28
821	820.0	10	15	0.796	3.5	2.75	0.24
102	1000	10	60	0.252	2.5	3.50	0.22
122	1200	10	60	0.252	2.0	4.00	0.20

3621 Type B

Inductance Code	Inductance (μ H)	Tolerance ($\pm$ %)	Q Min	LQ Test Freq. (MHz)	S.R.F. (MHz) Min.	Rdc Max (ohms)	Idc (A) Max
1R5	1.5	20	24	7.96	85.0	0.040	3.00
2R5	2.5	20	21	7.96	74.0	0.045	2.35
3R9	3.9	20	22	7.96	62.0	0.050	2.10
5R0	5.0	20	19	7.96	50.0	0.070	1.60
6R8	6.8	20	19	7.96	44.0	0.110	1.38
7R5	7.5	20	19	7.96	38.0	0.120	1.29
100	10.0	20	24	2.52	34.0	0.150	1.14
120	12.0	20	23	2.52	30.0	0.160	1.02
150	15.0	20	22	2.52	28.0	0.180	0.93
180	18.0	20	23	2.52	24.0	0.250	0.82
220	22.0	20	20	2.52	20.0	0.275	0.75
270	27.0	20	19	2.52	19.0	0.300	0.67
330	33.0	10	23	2.52	15.0	0.450	0.61
390	39.0	10	22	2.52	13.0	0.460	0.56
470	47.0	10	20	2.52	13.0	0.550	0.52
560	56.0	10	17	2.52	12.0	0.615	0.48
680	68.0	10	17	2.52	12.0	0.720	0.44
820	82.0	10	15	2.52	11.0	0.840	0.40

3621 Type C

Inductance Code	Inductance (μ H)	Tolerance ($\pm$ %)	Q Min	LQ Test Freq. (MHz)	S.R.F. (MHz) Min.	Rdc Max (ohms)	Idc (A) Max
3R3	3.3	20	22	7.96	60.0	0.060	2.00
3R9	3.9	20	22	7.96	40.0	0.065	1.90
4R7	4.7	20	20	7.96	34.0	0.070	1.80
5R6	5.6	20	20	7.96	30.0	0.075	1.70
6R8	6.8	20	20	7.96	28.0	0.080	1.60
8R2	8.2	20	20	7.96	26.0	0.090	1.50
100	10.0	20	30	2.52	23.0	0.100	1.45
120	12.0	15	30	2.52	22.0	0.120	1.40
150	15.0	15	30	2.52	20.0	0.140	1.30
180	18.0	15	30	2.52	18.0	0.150	1.25
220	22.0	15	30	2.52	16.0	0.190	1.10
270	27.0	15	28	2.52	14.0	0.220	1.00
330	33.0	10	24	2.52	13.0	0.250	0.88
390	39.0	10	24	2.52	13.0	0.320	0.80
470	47.0	10	22	2.52	12.0	0.370	0.72
560	56.0	10	22	2.52	11.0	0.420	0.68
680	68.0	10	22	2.52	10.0	0.520	0.62
820	82.0	10	20	2.52	9.0	0.600	0.58
101	100.0	10	20	0.796	8.5	0.700	0.52
121	120.0	10	22	0.796	6.6	0.930	0.48
151	150.0	10	22	0.796	6.2	1.100	0.40
181	180.0	10	20	0.796	6.0	1.380	0.38
221	220.0	10	20	0.796	5.6	1.570	0.35

3621 Type D

Inductance Code	Inductance (μ H)	Tolerance ($\pm$ %)	Q Min	LQ Test Freq. (MHz)	S.R.F. (MHz) Min.	Rdc Max (ohms)	Idc (A) Max
100	10.0	20	25	2.52	22.0	0.07	2.30
120	12.0	20	25	2.52	20.0	0.08	2.00
150	15.0	20	25	2.52	16.0	0.09	1.80
180	18.0	20	20	2.52	15.0	0.10	1.60
220	22.0	20	20	2.52	13.0	0.11	1.50
270	27.0	10	20	2.52	12.0	0.12	1.30
330	33.0	10	15	2.52	10.0	0.14	1.20
390	39.0	10	15	2.52	9.5	0.16	1.10
470	47.0	10	15	2.52	9.0	0.20	1.00
560	56.0	10	15	2.52	8.5	0.24	0.94
680	68.0	10	15	2.52	8.0	0.30	0.85
820	82.0	10	12	2.52	7.0	0.37	0.78
101	100.0	10	12	0.796	6.5	0.45	0.72
121	120.0	10	12	0.796	5.6	0.48	0.66
151	150.0	10	12	0.796	5.5	0.68	0.58
181	180.0	10	12	0.796	5.0	0.77	0.51
221	220.0	10	12	0.796	4.8	0.96	0.49
271	270.0	10	12	0.796	4.5	1.11	0.42
331	330.0	10	12	0.796	4.3	1.26	0.40
391	390.0	10	12	0.796	3.0	1.77	0.36
471	470.0	10	12	0.796	2.0	1.96	0.34

3621 Type E

Inductance Code	Inductance (μ H)	Tolerance ($\pm$ %)	Q Min	LQ Test Freq. (MHz)	S.R.F. (MHz) Min.	Rdc Max (ohms)	Idc (A) Max
100	10.0	20	30	2.52	21.0	0.06	2.60
120	12.0	20	30	2.52	20.0	0.07	2.45
150	15.0	20	30	2.52	16.0	0.08	2.25
180	18.0	20	30	2.52	15.0	0.09	2.15
220	22.0	20	25	2.52	13.0	0.10	1.95
270	27.0	10	25	2.52	11.0	0.11	1.75
330	33.0	10	20	2.52	10.0	0.12	1.50
390	39.0	10	20	2.52	9.0	0.14	1.35
470	47.0	10	20	2.52	8.0	0.17	1.25
560	56.0	10	15	2.52	7.5	0.19	1.15
680	68.0	10	15	2.52	7.0	0.22	1.10
820	82.0	10	15	2.52	6.0	0.25	1.00
101	100.0	10	15	0.796	5.2	0.35	0.97
121	120.0	10	15	0.796	5.0	0.40	0.89
151	150.0	10	15	0.796	4.5	0.47	0.78
181	180.0	10	12	0.796	4.0	0.63	0.72
221	220.0	10	12	0.796	3.8	0.73	0.66
271	270.0	10	12	0.796	3.5	0.97	0.57
331	330.0	10	12	0.796	3.2	1.15	0.52
391	390.0	10	12	0.796	3.0	1.30	0.48
471	470.0	10	12	0.796	2.5	1.48	0.42
561	560.0	10	12	0.796	2.3	1.90	0.33
681	680.0	10	12	0.796	2.1	2.25	0.28
821	820.0	10	10	0.796	2.0	2.55	0.24

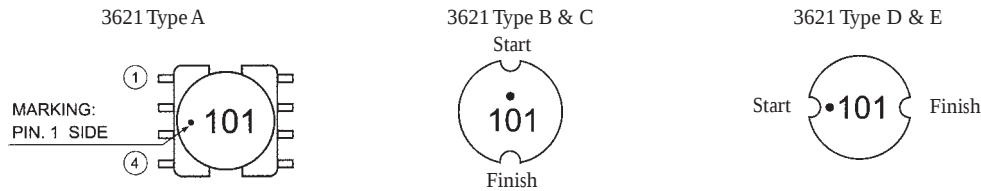
TEMPERATURE

Temperature Rise:	40°C 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

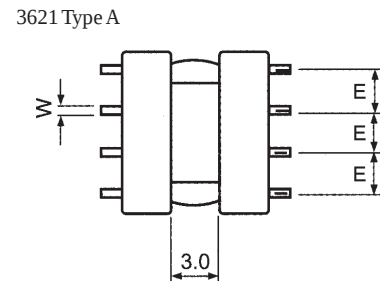
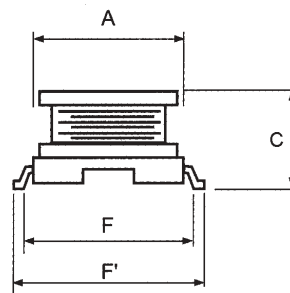
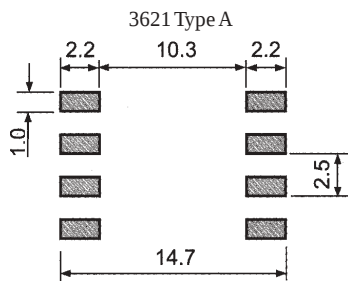
PACKAGING

Type A ~ 600 pieces per 13" Reel on 24mm Tape
Type B ~ 400 pieces per 7" Reel on 12mm Tape
Type C ~ 400 pieces per 7" Reel on 12mm Tape
Type D ~ 1000 pieces per 13" Reel on 16mm Tape
Type E ~ 800 pieces per 13" Reel on 24mm Tape

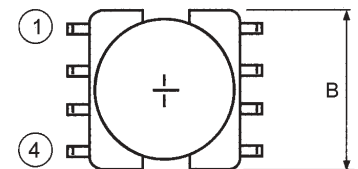
MARKING



DIMENSIONS



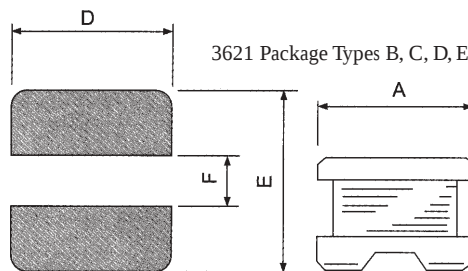
	A	B	C	E	F	F'	W
Type A	9.5	10.5	6.0	2.5	11.0	12.7	0.7



3621 Package Types B, C, D, E

Package	A	B	C	D	E	F
Type B	5.6±0.2	3.7±0.3	1.8	5.8	6.0	1.7
Type C	5.6±0.2	4.5±0.3	1.8	5.8	6.0	1.7
Type D	7.5±0.3	5.0±0.3	2.6	8.0	7.8	2.4
Type E	9.5±0.3	5.5±0.3	2.9	10.0	10.0	2.8

All Dimensions are
Nominal and in mm
Do Not Scale



HOW TO ORDER

Common Part	Package Style	Inductance Code	Tolerance
3621	A - 9.5mm x 10.5mm x 6.0mm high B - 6mm Dia. x 3.7 high C - 6.0mm Dia. x 4.5mm high D - 7.5mm Dia. x 5.0 high E - 9.5mm Dia. x 5.5mm high	See table above for inductance code	K - ±10% M - ±20%



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