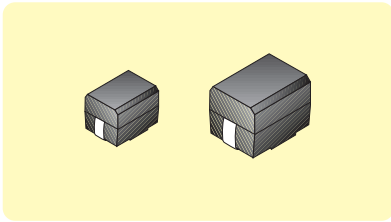


EPCOS type B824** series



A range of general purpose, surface mount inductors, available in industry standard sizes from 0402 to 2220, constructed using miniaturised wirewound technology. Encapsulated in a robust moulding, suitable for wave and reflow soldering. Supplied taped and reeled.



- ◆ Industry standard chip sizes **0402 to 2220**
- ◆ Inductance values from **0.001µH to 10000µH**
- ◆ General purpose and high current versions
- ◆ Robust construction
- ◆ Suitable for wave & reflow soldering
- ◆ Supplied taped & reeled

NEW

Specification

Inductance range 0.001µH to 10000µH
 Operating temperature range 0402, -40°C to +85°C
 1008, -55°C to +85°C
 others, -55°C to +125°C
 Climatic category (IEC60068-1) 0402 - 40/85/56
 1008 - 55/85/56
 others - 55/125/56

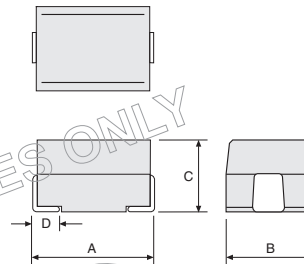
Marking

0402, 0603, 0805 – No marking on component.
 1008 – Inductance value (µH)
 1210
 B82422A – Inductance value (nH) & tolerance (coded)
 B82422T – Letter 'T', inductance value (µH) & tolerance (coded)
 1812
 B82432A – Inductance value (nH) & tolerance (coded)
 B82432T – Letter 'T', inductance value (µH) & tolerance (coded)
 2220 – Inductance value (nH) & tolerance (coded)

Packaging

0402 to 1210
 TAPE : 8mm wide, 4mm pitch REEL : 178mm dia.
 1812 and 2220
 TAPE : 12mm wide, 8mm pitch REEL : 330mm dia.

Dimensions (mm)



Chip Size	A	B	C	D
0402	1.0	0.5	0.5	0.2
0603	1.6	0.8	0.8	0.3
0805	2.2	1.4	1.45	0.25
1008	2.5	2.0	1.6	0.4
1210	3.2	2.5	2.1	0.5
1812	4.5	2.6	3.2	0.6
2220	5.6	5.0	5.0	0.7

SIMID 0402 size type B82499

Value (µH)	Tolerance	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	I dc max. (mA)	Manf. Part No. & anglia Order Code
0.001	±0.0003µH	8	100	6000	0.05	400	B82499A3109A
0.0012	±0.0003µH	8	100	6000	0.06	400	B82499A3129A
0.0015	±0.0003µH	8	100	6000	0.07	400	B82499A3159A
0.0018	±0.0003µH	8	100	6000	0.08	400	B82499A3189A
0.0022	±0.0003µH	8	100	6000	0.09	400	B82499A3229A
0.0027	±0.0003µH	8	100	5500	0.10	400	B82499A3279A
0.0033	±0.0003µH	8	100	5500	0.12	400	B82499A3339A
0.0039	±0.0003µH	8	100	5200	0.15	360	B82499A3399A
0.0047	±0.0003µH	8	100	4800	0.17	360	B82499A3479A
0.0056	±0.0003µH	8	100	4600	0.19	340	B82499A3569A
0.0068	5%	8	100	4000	0.30	320	B82499A3689J
0.0082	5%	8	100	3500	0.35	320	B82499A3829J
0.01	5%	8	100	2800	0.41	320	B82499A3100J
0.012	5%	8	100	2800	0.45	320	B82499A3120J
0.015	5%	8	100	2500	0.6	240	B82499A3150J
0.018	5%	8	100	2200	0.7	240	B82499A3180J
0.022	5%	8	100	2000	0.8	200	B82499A3220J
0.027	5%	8	100	1800	1.2	200	B82499A3270J
0.033	5%	8	100	1800	1.4	170	B82499A3330J
0.039	5%	8	100	1800	1.7	150	B82499A3390J
0.047	5%	8	100	1800	2.1	140	B82499A3470J
0.056	5%	8	100	1500	2.5	130	B82499A3560J
0.068	5%	8	100	1500	4.0	120	B82499A3680J
0.082	5%	8	100	1400	4.5	110	B82499A3820J
0.1	5%	8	100	1200	5.5	90	B82499A3101J

SIMID 0603 size

type B82496

Value (μH)	Tolerance	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	I _{dc} max. (mA)	Manf. Part No. & anglia Order Code
0.001	±0.0003μH	7	100	6000	0.05	500	B82496C3109A
0.0012	±0.0003μH	7	100	6000	0.06	500	B82496C3129A
0.0015	±0.0003μH	8	100	6000	0.07	500	B82496C3159A
0.0018	±0.0003μH	8	100	6000	0.08	500	B82496C3189A
0.0022	±0.0003μH	8	100	6000	0.09	500	B82496C3229A
0.0027	±0.0003μH	8	100	6000	0.10	500	B82496C3279A
0.0033	±0.0003μH	9	100	5500	0.12	500	B82496C3339A
0.0039	5%	9	100	5500	0.15	450	B82496C3399J
0.0047	5%	9	100	4800	0.17	450	B82496C3479J
0.0056	5%	9	100	4600	0.18	430	B82496C3569J
0.0068	5%	9	100	3550	0.20	430	B82496C3689J
0.0082	5%	9	100	3500	0.28	400	B82496C3829J
0.01	5%	10	100	2800	0.32	400	B82496C3100J
0.012	5%	10	100	2800	0.35	400	B82496C3120J
0.015	5%	10	100	2500	0.41	350	B82496C3150J
0.018	5%	10	100	2300	0.45	350	B82496C3180J
0.022	5%	10	100	2000	0.50	300	B82496C3220J
0.027	5%	10	100	2000	0.55	300	B82496C3270J
0.033	5%	10	100	1800	0.60	300	B82496C3330J
0.039	5%	11	100	1800	0.80	300	B82496C3390J
0.047	5%	11	100	1800	0.95	250	B82496C3470J
0.056	5%	12	100	1800	1.2	250	B82496C3560J
0.068	5%	12	100	1500	1.3	250	B82496C3680J
0.082	5%	12	100	1500	1.5	250	B82496C3820J
0.1	5%	12	100	1300	1.8	200	B82496C3101J
0.12	5%	5	25.2	1200	3.0	130	B82496C3121J
0.15	5%	5	25.2	1100	4.5	100	B82496C3151J
0.18	5%	4	25.2	1000	6.5	80	B82496C3181J
0.22	5%	4	25.2	900	7.5	70	B82496C3221J

SIMID 0805 size

type B82498

Value (μH)	Tolerance	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	I _{dc} max. (mA)	Manf. Part No. & anglia Order Code
0.0027	20%	20	250	6000	0.03	1000	B82498B3279M
0.0056	20%	25	250	6000	0.04	900	B82498B3569M
0.0068	10%	30	250	5500	0.05	800	B82498B3689K
0.0082	20%	35	250	5000	0.06	700	B82498B3829M
0.01	5%	40	250	4500	0.06	700	B82498B3100J
0.012	5%	40	250	4000	0.06	700	B82498B3120J
0.015	5%	40	250	3500	0.07	670	B82498B3150J
0.018	5%	45	250	3300	0.07	670	B82498B3180J
0.022	5%	45	250	2600	0.09	600	B82498B3220J
0.027	5%	50	250	2500	0.09	600	B82498B3270J
0.033	5%	45	250	2150	0.12	520	B82498B3330J
0.039	5%	50	250	2050	0.10	560	B82498B3390J
0.047	5%	45	200	1900	0.13	500	B82498B3470J
0.056	5%	45	200	1700	0.14	480	B82498B3560J
0.068	5%	45	200	1550	0.19	410	B82498B3680J
0.082	5%	40	150	1430	0.21	390	B82498B3820J
0.1	5%	40	150	1310	0.26	350	B82498B3101J
0.12	5%	40	150	1210	0.44	270	B82498B3121J
0.15	5%	35	100	1120	0.44	270	B82498B3151J
0.18	5%	35	100	1030	0.47	260	B82498B3181J
0.22	5%	35	100	950	0.55	240	B82498B3221J
0.27	5%	35	100	870	1.0	180	B82498B3271J
0.33	5%	35	100	800	1.0	180	B82498B3331J
0.39	5%	35	100	730	1.9	130	B82498B3391J
0.47	5%	35	100	660	2.4	115	B82498B3471J
0.56	5%	35	100	600	3.2	100	B82498B3561J
0.68	5%	20	25.2	450	0.5	250	B82498B1681J
0.82	5%	20	25.2	400	0.55	240	B82498B1821J
1.0	5%	20	7.96	350	0.5	250	B82498B1102J
1.2	5%	20	7.96	300	0.65	220	B82498B1122J
1.5	5%	20	7.96	250	0.75	200	B82498B1152J
1.8	5%	20	7.96	250	0.85	190	B82498B1182J
2.2	5%	20	7.96	200	1.7	130	B82498B1222J
2.7	5%	20	7.96	200	2.0	120	B82498B1272J
3.3	5%	20	7.96	200	3.3	100	B82498B1332J
3.9	5%	20	7.96	150	3.6	95	B82498B1392J
4.7	5%	20	7.96	150	3.8	90	B82498B1472J

INDUCTANCE VALUE CONVERSION GUIDE

Nano-Henry (nH)	Micro-Henry (μH)
1.0	0.001
1.5	0.0015
2.2	0.0022
3.3	0.0033
4.7	0.0047
6.8	0.0068
10	0.01
15	0.015
22	0.022
33	0.033
47	0.047
68	0.068
100	0.1
150	0.15
220	0.22
330	0.33
470	0.47
680	0.68
1000	1.0
1500	1.5
2200	2.2
3300	3.3
4700	4.7
6800	6.8

See pages 440-442 for Murata 0603 & 0805 Chip Inductors

EPCOS series continued overleaf > > >

EPCOS type B824** series (continued)



SIMID 1008 size type B82494

Value (μ H)	Tolerance	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	I dc max. (mA)	Manf. Part No. & anglia Order Code
0.01	10%	10	100	2500	0.32	280	B82494A1100K
0.012	10%	10	100	2500	0.34	270	B82494A1120K
0.015	10%	10	100	1800	0.38	255	B82494A1150K
0.018	10%	10	100	1550	0.40	250	B82494A1180K
0.022	10%	15	100	1350	0.43	240	B82494A1220K
0.027	10%	15	100	1150	0.47	230	B82494A1270K
0.033	10%	15	100	1000	0.51	220	B82494A1330K
0.039	10%	15	100	890	0.55	215	B82494A1390K
0.047	10%	15	100	770	0.59	205	B82494A1470K
0.056	10%	15	100	670	0.63	200	B82494A1560K
0.068	10%	15	100	590	0.68	190	B82494A1680K
0.082	10%	15	100	520	0.73	185	B82494A1820K
0.1	10%	10	25.2	460	0.80	175	B82494A1101K
0.12	10%	10	25.2	400	0.87	170	B82494A1121K
0.15	10%	10	25.2	340	0.98	160	B82494A1151K
0.18	10%	10	25.2	300	1.05	155	B82494A1181K
0.22	10%	25	25.2	230	0.70	190	B82494A1221K
0.27	10%	25	25.2	210	0.75	180	B82494A1271K
0.33	10%	25	25.2	190	0.85	170	B82494A1331K
0.39	10%	25	25.2	175	0.95	160	B82494A1391K
0.47	10%	25	25.2	160	1.0	155	B82494A1471K
0.56	10%	25	25.2	150	1.1	150	B82494A1561K
0.68	10%	25	25.2	135	1.25	140	B82494A1681K
0.82	10%	25	25.2	125	1.4	130	B82494A1821K
1.0	10%	25	7.96	115	0.65	195	B82494A1102K
1.2	10%	25	7.96	100	0.75	180	B82494A1122K
1.5	10%	25	7.96	90	0.85	170	B82494A1152K
1.8	10%	25	7.96	85	0.95	160	B82494A1182K
2.2	10%	25	7.96	80	1.05	155	B82494A1222K
2.7	10%	25	7.96	75	1.2	145	B82494A1272K
3.3	10%	25	7.96	65	1.3	135	B82494A1332K
3.9	10%	25	7.96	60	1.4	130	B82494A1392K
4.7	10%	25	7.96	55	1.55	125	B82494A1472K
5.6	10%	25	7.96	50	1.75	120	B82494A1562K
6.8	10%	25	7.96	45	1.95	115	B82494A1682K
8.2	10%	25	7.96	40	2.2	105	B82494A1822K
10	10%	25	2.52	32	3.5	80	B82494A1103K
12	10%	25	2.52	30	3.8	75	B82494A1123K
15	10%	25	2.52	28	4.4	70	B82494A1153K
18	10%	25	2.52	25	5.0	65	B82494A1183K
22	10%	25	2.52	22	5.8	60	B82494A1223K
27	10%	20	2.52	21	6.3	115	B82494A1273K
33	10%	20	2.52	20	7.1	110	B82494A1333K
39	10%	20	2.52	18	9.5	90	B82494A1393K
47	10%	20	2.52	17	11	80	B82494A1473K
56	10%	20	2.52	16	12.1	75	B82494A1563K
68	10%	20	2.52	15	16.6	70	B82494A1683K
82	10%	20	2.52	13	19	65	B82494A1823K
100	10%	15	0.796	12	21	60	B82494A1104K



Panasonic

SCHAFNER

SUPPRESSION DEVICES

A range of inductors and chokes are shown in the EMC, Filters & Suppression section of this guide featuring :

- Ferrite Bead Inductors
- VHF Chokes
- Signal & Data Line Chokes
- Power Chokes
- Common Mode Chokes

EPCOS type B824 series** (continued)

SIMID 1210 size
type B82422T (preferred 1210 range)

Value (μH)	Tolerance	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	I _{dc} max. (mA)	Manf. Part No. & anglia Order Code
0.01	5%	15	100	4000	0.10	450	B82422T3100J
0.012	5%	17	100	3500	0.11	450	B82422T3120J
0.015	5%	19	100	3000	0.13	450	B82422T3150J
0.018	5%	21	100	2000	0.14	450	B82422T3180J
0.022	5%	23	100	2000	0.16	450	B82422T3220J
0.027	5%	23	100	1700	0.17	450	B82422T3270J
0.033	5%	25	100	1700	0.18	450	B82422T3330J
0.039	5%	25	100	1300	0.19	450	B82422T3390J
0.047	5%	26	100	1300	0.20	450	B82422T3470J
0.056	5%	26	100	1100	0.21	450	B82422T3560J
0.068	5%	27	100	1000	0.23	450	B82422T3680J
0.082	5%	27	100	1000	0.26	450	B82422T3820J
0.1	5%	28	100	900	0.31	450	B82422T3101J
0.12	5%	30	25.2	900	0.15	450	B82422T1121J
0.15	5%	30	25.2	700	0.18	450	B82422T1151J
0.18	5%	30	25.2	500	0.19	450	B82422T1181J
0.22	5%	30	25.2	500	0.20	450	B82422T1221J
0.27	5%	30	25.2	500	0.21	450	B82422T1271J
0.33	5%	30	25.2	500	0.23	450	B82422T1331J
0.39	5%	30	25.2	400	0.25	450	B82422T1391J
0.47	5%	30	25.2	400	0.30	450	B82422T1471J
0.56	5%	30	25.2	300	0.31	450	B82422T1561J
0.68	5%	30	25.2	300	0.34	450	B82422T1681J
0.82	5%	30	25.2	300	0.38	450	B82422T1821J
1.0	5%	30	7.96	300	0.6	400	B82422T1102J
1.2	5%	30	7.96	250	0.7	390	B82422T1122J
1.5	5%	30	7.96	200	0.7	370	B82422T1152J
1.8	5%	30	7.96	140	0.8	350	B82422T1182J
2.2	5%	30	7.96	100	0.8	320	B82422T1222J
2.7	5%	30	7.96	70	0.9	290	B82422T1272J
3.3	5%	30	7.96	60	1.2	260	B82422T1332J
3.9	5%	30	7.96	60	1.3	250	B82422T1392J
4.7	5%	30	7.96	50	1.5	220	B82422T1472J
5.6	5%	27	7.96	45	1.6	200	B82422T1562J
6.8	5%	27	7.96	40	1.8	180	B82422T1682J
8.2	5%	27	7.96	35	2.0	170	B82422T1822J
10	5%	27	2.52	30	2.1	150	B82422T1103J
12	5%	27	2.52	25	2.5	140	B82422T1123J
15	5%	27	2.52	20	2.8	130	B82422T1153J
18	5%	27	2.52	20	3.0	120	B82422T1183J
22	5%	27	2.52	20	3.5	110	B82422T1223J
27	5%	27	2.52	20	4.5	80	B82422T1273J
33	5%	27	2.52	17	5.6	70	B82422T1333J
39	5%	27	2.52	16	6.4	65	B82422T1393J
47	5%	27	2.52	15	7.0	60	B82422T1473J
56	5%	27	2.52	12	8.0	60	B82422T1563J
68	5%	27	2.52	9	9.0	60	B82422T1683J
82	5%	25	2.52	9	10	60	B82422T1823J
100	5%	20	0.796	8	11	60	B82422T1104J
120	5%	20	0.796	8	12	60	B82422T1124J
150	5%	20	0.796	7	17	50	B82422T1154J
180	5%	20	0.796	7	18	50	B82422T1184J
220	5%	20	0.796	6	22	45	B82422T1224J
270	5%	20	0.796	5	28	40	B82422T1274J
330	5%	20	0.796	4	34	40	B82422T1334J

**INDUCTANCE VALUE
CONVERSION GUIDE**

Nano-Henry (nH)	Micro-Henry (μH)
1.0	0.001
1.5	0.0015
2.2	0.0022
3.3	0.0033
4.7	0.0047
6.8	0.0068
10	0.01
15	0.015
22	0.022
33	0.033
47	0.047
68	0.068
100	0.1
150	0.15
220	0.22
330	0.33
470	0.47
680	0.68
1000	1.0
1500	1.5
2200	2.2
3300	3.3
4700	4.7
6800	6.8

See page 443 for Magnetix 1210 Chip Inductors

EPCOS series continued overleaf > > >

EPCOS type B824** series (continued)



SIMID 1210 size

type B82422A, high current rating (see previous page for preferred 1210 range)

Value (µH)	Tolerance	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	Idc max. (mA)	Manf. Part No. & anglia Order Code
0.0082	10%	20	100	4000	0.08	800	B82422A3829K100
0.01	10%	20	100	4000	0.09	750	B82422A3100K100
0.012	10%	25	100	3500	0.10	700	B82422A3120K100
0.015	10%	27	100	3000	0.12	640	B82422A3150K100
0.018	10%	30	100	2500	0.12	640	B82422A3180K100
0.022	10%	30	100	2500	0.14	600	B82422A3220K100
0.033	10%	20	50	1700	0.17	540	B82422A3330K100
0.039	10%	25	50	1450	0.18	530	B82422A3390K100
0.047	10%	26	50	1350	0.19	510	B82422A3470K100
0.068	10%	27	50	1150	0.21	480	B82422A3680K100
0.082	10%	27	50	1050	0.24	450	B82422A3820K100
0.1	10%	25	50	1000	0.26	440	B82422A3101K100
0.12	10%	22	30	880	0.32	400	B82422A3121K100
0.15	10%	25	30	850	0.33	390	B82422A3151K100
0.18	10%	25	30	800	0.38	360	B82422A3181K100
0.22	10%	25	30	700	0.64	280	B82422A3221K100
0.27	10%	20	30	650	0.90	235	B82422A3271K100
0.33	10%	22	30	580	1.3	200	B82422A3331K100
0.39	10%	22	30	540	1.4	190	B82422A3391K100
0.47	10%	22	30	480	2.2	150	B82422A3471K100
0.68	10%	22	30	280	2.4	145	B82422A3681K100
0.82	10%	22	30	240	2.5	140	B82422A3821K100
1.0	10%	20	7.96	320	0.34	380	B82422A1102K100
1.5	10%	20	7.96	270	0.50	340	B82422A1152K100
1.8	10%	25	7.96	250	0.60	290	B82422A1182K100
2.2	10%	25	7.96	125	0.75	270	B82422A1222K100
3.3	10%	27	7.96	110	1.2	200	B82422A1332K100
4.7	10%	27	7.96	110	2.2	150	B82422A1472K100
5.6	10%	27	7.96	100	2.6	140	B82422A1562K100
6.8	10%	27	7.96	90	2.8	135	B82422A1682K100
8.2	10%	27	7.96	90	3.0	130	B82422A1822K100
10	10%	27	2.52	25	1.6	180	B82422A1103K100
12	10%	27	2.52	23	1.65	175	B82422A1123K100
15	10%	27	2.52	20	1.85	165	B82422A1153K100
22	10%	27	2.52	16	2.65	140	B82422A1223K100
33	10%	27	2.52	13	4.5	105	B82422A1333K100
47	10%	27	2.52	11	7.0	85	B82422A1473K100
68	10%	27	2.52	9	7.7	80	B82422A1683K100
100	10%	27	2.52	7	11.5	65	B82422A1104K100

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Nano-Henry (nH)	Micro-Henry (µH)	Nano-Henry (nH)	Micro-Henry (µH)	Nano-Henry (nH)	Micro-Henry (µH)	Nano-Henry (nH)	Micro-Henry (µH)
1.0	0.001	10	0.01	100	0.1	1000	1.0
1.5	0.0015	15	0.015	150	0.15	1500	1.5
2.2	0.0022	22	0.022	220	0.22	2200	2.2
3.3	0.0033	33	0.033	330	0.33	3300	3.3
4.7	0.0047	47	0.047	470	0.47	4700	4.7
6.8	0.0068	68	0.068	680	0.68	6800	6.8

EPCOS type B824 series** (continued)

SIMID 1812 size type B82432A

Value (µH)	Tolerance	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	Idc max. (mA)	Manf. Part No. & anglia Order Code
1.0	10%	25	7.96	260	0.28	600	B82432A1102K
1.2	10%	25	7.96	250	0.32	560	B82432A1122K
1.5	10%	25	7.96	230	0.35	520	B82432A1152K
1.8	10%	25	7.96	210	0.41	490	B82432A1182K
2.2	10%	30	7.96	190	0.43	480	B82432A1222K
2.7	10%	30	7.96	170	0.49	450	B82432A1272K
3.3	10%	30	7.96	155	0.55	425	B82432A1332K
3.9	10%	30	7.96	145	0.59	410	B82432A1392K
4.7	10%	30	7.96	110	0.65	390	B82432A1472K
5.6	10%	30	7.96	100	0.71	375	B82432A1562K
6.8	10%	30	7.96	75	0.78	360	B82432A1682K
8.2	10%	30	7.96	23	0.92	330	B82432A1822K
10	10%	45	2.52	22	0.98	320	B82432A1103K
12	10%	45	2.52	19	1.10	300	B82432A1123K
15	10%	45	2.52	17	1.25	280	B82432A1153K
18	10%	45	2.52	15	1.35	270	B82432A1183K
22	10%	45	2.52	13	1.45	260	B82432A1223K
27	10%	45	2.52	12	1.65	245	B82432A1273K
33	10%	45	2.52	10.5	1.85	230	B82432A1333K
39	10%	45	2.52	10	2.05	220	B82432A1393K
47	10%	40	2.52	9.5	2.3	210	B82432A1473K
56	10%	40	2.52	9.0	2.5	200	B82432A1563K
68	10%	40	2.52	8.0	2.8	190	B82432A1683K
82	10%	35	2.52	7.0	3.2	175	B82432A1823K
100	10%	40	2.52	6.5	4.7	145	B82432A1104K
120	10%	35	0.796	6.0	5.2	140	B82432A1124K
150	10%	35	0.796	5.5	6.1	130	B82432A1154K
180	10%	35	0.796	5.0	6.9	120	B82432A1184K
220	10%	30	0.796	4.6	7.5	115	B82432A1224K
270	10%	30	0.796	4.4	12.5	90	B82432A1274K
330	10%	30	0.796	4.1	14.1	85	B82432A1334K
390	10%	35	0.796	3.8	15.3	80	B82432A1394K
470	10%	35	0.796	3.5	17.5	75	B82432A1474K
560	10%	30	0.796	2.8	23	70	B82432A1564K
680	10%	30	0.796	2.6	25	65	B82432A1684K
820	10%	30	0.796	2.5	28	60	B82432A1824K
1000	10%	30	0.796	2.3	32	55	B82432A1105K

SIMID 1812 size type B82432T, high current rating (preferred 1812 range)

Value (µH)	Tolerance	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	Idc max. (mA)	Manf. Part No. & anglia Order Code
1.0	10%	10	7.96	110	0.08	1300	B82432T1102K
1.2	10%	10	7.96	100	0.10	1200	B82432T1122K
1.5	10%	10	7.96	80	0.11	1150	B82432T1152K
1.8	10%	10	7.96	70	0.13	1050	B82432T1182K
2.2	10%	10	7.96	60	0.15	1000	B82432T1222K
2.7	10%	10	7.96	55	0.17	950	B82432T1272K
3.3	10%	10	7.96	50	0.19	900	B82432T1332K
3.9	10%	10	7.96	45	0.20	850	B82432T1392K
4.7	10%	10	7.96	40	0.22	800	B82432T1472K
5.6	10%	10	7.96	38	0.26	750	B82432T1562K
6.8	10%	10	7.96	36	0.3	700	B82432T1682K
8.2	10%	10	7.96	30	0.33	670	B82432T1822K
10	10%	10	2.52	25	0.35	650	B82432T1103K
12	10%	10	2.52	23	0.45	630	B82432T1123K
15	10%	10	2.52	20	0.5	600	B82432T1153K
18	10%	10	2.52	18	0.6	550	B82432T1183K
22	10%	10	2.52	15	0.7	450	B82432T1223K
27	10%	10	2.52	14	1.0	430	B82432T1273K
33	10%	10	2.52	13	1.2	400	B82432T1333K
39	10%	10	2.52	12	1.3	380	B82432T1393K
47	10%	10	2.52	11	1.35	350	B82432T1473K
56	10%	10	2.52	10	2.0	300	B82432T1563K
68	10%	10	2.52	8.0	2.5	250	B82432T1683K
82	10%	10	2.52	7.0	3.0	220	B82432T1823K
100	10%	20	0.796	6.5	3.5	200	B82432T1104K
120	10%	20	0.796	6.3	4.5	180	B82432T1124K
150	10%	20	0.796	6.1	6.0	160	B82432T1154K
180	10%	20	0.796	5.5	7.0	140	B82432T1184K
220	10%	20	0.796	4.5	7.5	130	B82432T1224K
270	10%	20	0.796	4.3	10.5	120	B82432T1274K
330	10%	20	0.796	4.1	11	120	B82432T1334K
390	10%	20	0.796	3.9	13	110	B82432T1394K
470	10%	20	0.796	3.5	15	100	B82432T1474K
560	10%	20	0.796	3.0	20	90	B82432T1564K
680	10%	20	0.796	2.6	23	80	B82432T1684K
820	10%	20	0.796	2.4	27	80	B82432T1824K
1000	10%	20	0.252	2.3	30	70	B82432T1105K

See page 444
for Magnetix
1812 Chip
Inductors

EPCOS
series
continued
overleaf
> > > >

EPCOS type B824** series (continued)



SIMID 2220 size

type B82422A

Value (μ H)	Tolerance	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	Idc max. (mA)	Manf. Part No. & anglia Order Code
1.0	10%	10	7.96	95	0.024	1800	B82442A1102K
1.2	10%	10	7.96	70	0.028	1700	B82442A1122K
1.5	10%	10	7.96	55	0.032	1600	B82442A1152K
1.8	10%	10	7.96	47	0.040	1400	B82442A1182K
2.2	10%	10	7.96	42	0.048	1300	B82442A1222K
2.7	10%	10	7.96	37	0.056	1200	B82442A1272K
3.3	10%	10	7.96	34	0.064	1120	B82442A1332K
3.9	10%	10	7.96	32	0.072	1050	B82442A1392K
4.7	10%	10	7.96	29	0.088	950	B82442A1472K
5.6	10%	10	7.96	26	0.104	880	B82442A1562K
6.8	10%	10	7.96	24	0.120	810	B82442A1682K
8.2	10%	10	7.96	22	0.144	750	B82442A1822K
10	10%	10	2.52	19	0.168	690	B82442A1103K
12	10%	10	2.52	17	0.20	630	B82442A1123K
15	10%	10	2.52	16	0.24	580	B82442A1153K
18	10%	10	2.52	14	0.29	530	B82442A1183K
22	10%	10	2.52	13	0.35	480	B82442A1223K
27	10%	10	2.52	11.5	0.42	440	B82442A1273K
33	10%	10	2.52	10.5	0.50	400	B82442A1333K
39	10%	10	2.52	9.5	0.58	370	B82442A1393K
47	10%	10	2.52	8.5	0.68	340	B82442A1473K
56	10%	10	2.52	7.8	0.80	310	B82442A1563K
68	10%	10	2.52	7.0	0.96	290	B82442A1683K
82	10%	10	2.52	6.4	1.12	270	B82442A1823K
100	10%	20	0.796	6.0	1.28	250	B82442A1104K
120	10%	20	0.796	5.4	1.52	230	B82442A1124K
150	10%	20	0.796	4.8	1.76	210	B82442A1154K
180	10%	20	0.796	4.4	2.24	190	B82442A1184K
220	10%	20	0.796	3.9	2.72	170	B82442A1224K
270	10%	20	0.796	3.6	3.36	155	B82442A1274K
330	10%	20	0.796	3.2	3.92	140	B82442A1334K
390	10%	20	0.796	2.9	4.64	130	B82442A1394K
470	10%	20	0.796	2.6	5.6	120	B82442A1474K
560	10%	20	0.796	2.4	6.8	110	B82442A1564K
680	10%	20	0.796	2.2	8.0	100	B82442A1684K
820	10%	20	0.796	2.0	10.4	90	B82442A1824K
1000	10%	30	0.252	1.8	12	85	B82442A1105K
1200	10%	30	0.252	1.5	13.6	75	B82442A1125K
1500	10%	30	0.252	1.4	16	70	B82442A1155K
1800	10%	30	0.252	1.3	24	60	B82442A1185K
2200	10%	30	0.252	1.2	28	55	B82442A1225K
2700	10%	30	0.252	1.1	44	45	B82442A1275K
3300	10%	30	0.252	1.0	48	40	B82442A1335K
3900	10%	30	0.252	1.0	56	38	B82442A1395K
4700	10%	30	0.252	0.9	62.4	36	B82442A1475K
5600	10%	30	0.252	0.8	68	33	B82442A1565K
6800	10%	30	0.252	0.7	88	30	B82442A1685K
8200	10%	30	0.252	0.6	100	28	B82442A1825K
10000	10%	30	0.0796	0.5	120	25	B82442A1106K

see following page for high current 2220 range > > > >

EPCOS type B824 series** (continued)

SIMID 2220 size type B82442H, high current rating

Value (μH)	Tolerance	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	I _{dc} max. (mA)	Manf. Part No. & anglia Order Code
1.0	10%	10	7.96	95	0.024	2500	B82442H1102K
1.2	10%	10	7.96	70	0.028	2350	B82442H1122K
1.5	10%	10	7.96	55	0.032	2200	B82442H1152K
1.8	10%	10	7.96	47	0.040	2000	B82442H1182K
2.2	10%	10	7.96	42	0.048	1800	B82442H1222K
2.7	10%	10	7.96	37	0.056	1700	B82442H1272K
3.3	10%	10	7.96	34	0.064	1550	B82442H1332K
3.9	10%	10	7.96	32	0.072	1450	B82442H1392K
4.7	10%	10	7.96	29	0.088	1350	B82442H1472K
5.6	10%	10	7.96	26	0.104	1250	B82442H1562K
6.8	10%	10	7.96	24	0.120	1130	B82442H1682K
8.2	10%	10	7.96	22	0.144	1050	B82442H1822K
10	10%	10	2.52	19	0.168	1000	B82442H1103K
12	10%	10	2.52	17	0.20	880	B82442H1123K
15	10%	10	2.52	16	0.24	810	B82442H1153K
18	10%	10	2.52	14	0.29	740	B82442H1183K
22	10%	10	2.52	13	0.35	670	B82442H1223K
27	10%	10	2.52	11.5	0.42	620	B82442H1273K
33	10%	10	2.52	10.5	0.50	560	B82442H1333K
39	10%	10	2.52	9.5	0.58	520	B82442H1393K
47	10%	10	2.52	8.5	0.68	480	B82442H1473K
56	10%	10	2.52	7.8	0.80	430	B82442H1563K
68	10%	10	2.52	7.0	0.96	400	B82442H1683K
82	10%	10	2.52	6.4	1.12	380	B82442H1823K
100	10%	20	0.796	6.0	1.28	350	B82442H1104K
120	10%	20	0.796	5.4	1.52	320	B82442H1124K
150	10%	20	0.796	4.8	1.76	290	B82442H1154K
180	10%	20	0.796	4.4	2.24	270	B82442H1184K
220	10%	20	0.796	3.9	2.72	240	B82442H1244K
270	10%	20	0.796	3.6	3.36	220	B82442H1274K
330	10%	20	0.796	3.2	3.92	200	B82442H1334K
390	10%	20	0.796	2.9	4.64	180	B82442H1394K
470	10%	20	0.796	2.6	5.6	170	B82442H1474K
560	10%	20	0.796	2.4	6.8	150	B82442H1564K
680	10%	20	0.796	2.2	8.0	140	B82442H1684K
820	10%	20	0.796	2.0	10.4	130	B82442H1824K
1000	10%	30	0.252	1.8	12	120	B82442H1105K
1200	10%	30	0.252	1.5	13.6	105	B82442H1125K
1500	10%	30	0.252	1.4	16	100	B82442H1155K
1800	10%	30	0.252	1.3	24	85	B82442H1185K
2200	10%	30	0.252	1.2	28	75	B82442H1225K
2700	10%	30	0.252	1.1	44	65	B82442H1275K
3300	10%	30	0.252	1.0	48	55	B82442H1335K
3900	10%	30	0.252	1.0	56	53	B82442H1395K
4700	10%	30	0.252	0.9	62.4	50	B82442H1475K
5600	10%	30	0.252	0.8	68	46	B82442H1565K
6800	10%	30	0.252	0.7	88	42	B82442H1685K
8200	10%	30	0.252	0.6	100	39	B82442H1825K
10000	10%	30	0.0796	0.5	120	35	B82442H1106K



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