

GCDS Series



● Features:

- High power, High saturation inductors
- With magnetically shielded against radiation
- Directly connected electrode on ferrite core
- Highly accurate dimensions for surface mounting

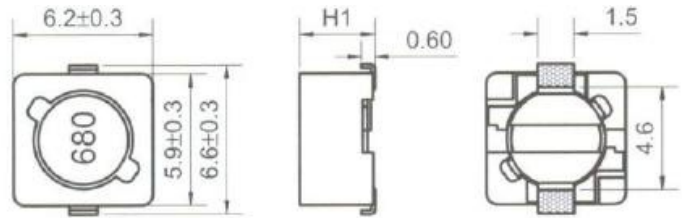
● Applications:

- Notebook, Desktop, Modem equipment
- LCD, OA equipment other electronic equipment

● Operating temperature: -40 °C to +125 °C

● Dimensions and Land Patterns. (UNIT: mm)

GCDS62/64



GCDS73/74



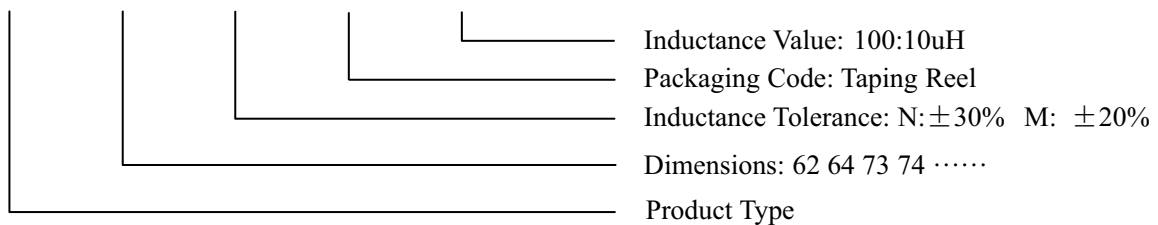
GCDS124/125/127/129



TYPE	H1 (max)	H2 (max)	H3 (max)	H	I	J
GCDS62	3.0	-	-	1.9	1.4	4.6
GCDS64	5.0	-	-	1.9	1.4	4.6
GCDS73	-	3.4	-	2.2	1.6	4.8
GCDS74	-	4.5	-	2.2	1.6	4.8
GCDS124	-	-	4.5	5.4	2.9	7.0
GCDS125	-	-	6.0	5.4	2.9	7.0
GCDS127	-	-	8.0	5.4	2.9	7.0
GCDS129	-	-	10.0	5.4	2.9	7.0

● Part Numbering

GCDS 124 M T 100



Electrical characteristics List

GCDS62 Series

PART No.	L(uH)	Tolerance	Test Condition	DCR (Ω)MAX	IDC (A)
GCDS62NT1R0	1.0	N	100KHZ/0.25V	0.030	2.60
GCDS62NT1R5	1.5	N	100KHZ/0.25V	0.038	2.49
GCDS62NT2R2	2.2	N	100KHZ/0.25V	0.050	2.30
GCDS62NT2R7	2.7	N	100KHZ/0.25V	0.061	2.16
GCDS62NT3R3	3.3	N	100KHZ/0.25V	0.068	1.94
GCDS62NT3R9	3.9	N	100KHZ/0.25V	0.073	1.77
GCDS62NT4R7	4.7	N	100KHZ/0.25V	0.080	1.63
GCDS62NT5R6	5.6	N	100KHZ/0.25V	0.096	1.40
GCDS62NT6R8	6.8	N	100KHZ/0.25V	0.100	1.33
GCDS62NT8R2	8.2	N	100KHZ/0.25V	0.100	1.14
GCDS62MT100	10	M	1KHZ/0.25V	0.150	1.10
GCDS62MT120	12	M	1KHZ/0.25V	0.200	1.00
GCDS62MT150	15	M	1KHZ/0.25V	0.230	0.90
GCDS62MT180	18	M	1KHZ/0.25V	0.270	0.80
GCDS62MT220	22	M	1KHZ/0.25V	0.340	0.74
GCDS62MT270	27	M	1KHZ/0.25V	0.380	0.66
GCDS62MT330	33	M	1KHZ/0.25V	0.450	0.59
GCDS62MT390	39	M	1KHZ/0.25V	0.490	0.54
GCDS62MT470	47	M	1KHZ/0.25V	0.690	0.50
GCDS62MT560	56	M	1KHZ/0.25V	0.780	0.46
GCDS62MT680	68	M	1KHZ/0.25V	1.070	0.42
GCDS62MT820	82	M	1KHZ/0.25V	1.210	0.38
GCDS62MT101	100	M	1KHZ/0.25V	1.390	0.34

GCDS64 Series

PART No.	L(uH)	Tolerance	Test Condition	DCR (Ω)MAX	IDC (A)
GCDS64NT1R0	1.0	N	100KHZ/0.25V	0.023	2.80
GCDS64NT2R2	2.2	N	100KHZ/0.25V	0.048	2.49
GCDS64NT2R7	2.7	N	100KHZ/0.25V	0.052	2.32
GCDS64NT3R3	3.3	N	100KHZ/0.25V	0.068	2.15
GCDS64NT3R9	3.9	N	100KHZ/0.25V	0.073	1.86
GCDS64NT4R7	4.7	N	100KHZ/0.25V	0.077	1.70
GCDS64NT6R8	6.8	N	100KHZ/0.25V	0.094	1.44
GCDS64NT8R2	8.2	N	100KHZ/0.25V	0.096	1.40
GCDS64MT100	10	M	1KHZ/0.25V	0.120	1.35
GCDS64MT120	12	M	1KHZ/0.25V	0.130	1.22
GCDS64MT150	15	M	1KHZ/0.25V	0.180	1.11
GCDS64MT180	18	M	1KHZ/0.25V	0.240	1.02
GCDS64MT220	22	M	1KHZ/0.25V	0.270	0.91
GCDS64MT270	27	M	1KHZ/0.25V	0.300	0.82
GCDS64MT330	33	M	1KHZ/0.25V	0.330	0.74
GCDS64MT390	39	M	1KHZ/0.25V	0.370	0.69
GCDS64MT470	47	M	1KHZ/0.25V	0.520	0.62
GCDS64MT560	56	M	1KHZ/0.25V	0.560	0.58
GCDS64MT680	68	M	1KHZ/0.25V	0.630	0.51
GCDS64MT820	82	M	1KHZ/0.25V	0.710	0.46
GCDS64MT101	100	M	1KHZ/0.25V	1.030	0.42

Electrical characteristics List
GCDS73 Series

PART No.	L(uH)	Tolerance	Test Condition	DCR (Ω)MAX	IDC (A)
GCDS73NT1R0	1.0	N	100KHZ/0.25V	0.0403	4.000
GCDS73NT2R2	2.2	N	100KHZ/0.25V	0.0553	3.500
GCDS73NT4R7	4.7	N	100KHZ/0.25V	0.0429	2.700
GCDS73MT100	10	M	1KHZ/0.25V	0.1196	1.700
GCDS73MT180	18	M	1KHZ/0.25V	0.1937	1.300
GCDS73MT220	22	M	1KHZ/0.25V	0.1950	1.200
GCDS73MT330	33	M	1KHZ/0.25V	0.2600	0.970
GCDS73MT390	39	M	1KHZ/0.25V	0.2730	0.940
GCDS73MT470	47	M	1KHZ/0.25V	0.3120	0.900
GCDS73MT560	56	M	1KHZ/0.25V	0.5070	0.800
GCDS73MT680	68	M	1KHZ/0.25V	0.5850	0.720
GCDS73MT820	82	M	1KHZ/0.25V	0.6760	0.600
GCDS73MT101	100	M	1KHZ/0.25V	0.7280	0.540
GCDS73MT121	120	M	1KHZ/0.25V	0.9100	0.510
GCDS73MT151	150	M	1KHZ/0.25V	1.0400	0.440
GCDS73MT181	180	M	1KHZ/0.25V	1.2400	0.380
GCDS73MT221	220	M	1KHZ/0.25V	1.6900	0.350
GCDS73MT271	270	M	1KHZ/0.25V	1.9500	0.340
GCDS73MT331	330	M	1KHZ/0.25V	2.0800	0.305
GCDS73MT391	390	M	1KHZ/0.25V	3.1200	0.280
GCDS73MT561	560	M	1KHZ/0.25V	4.1600	0.250
GCDS73MT102	1000	M	1KHZ/0.25V	7.8000	0.160

GCDS74 Series

PART No.	L(uH)	Tolerance	Test Condition	DCR (Ω)MAX	IDC (A)
GCDS74NT1R0	1.2	N	100KHZ/0.25V	0.0200	5.000
GCDS74NT2R2	2.2	N	100KHZ/0.25V	0.0247	4.400
GCDS74NT6R8	6.8	N	100KHZ/0.25V	0.0455	2.900
GCDS74MT100	10	M	100KHZ/0.25V	0.0650	2.000
GCDS74MT120	12	M	100KHZ/0.25V	0.0702	1.900
GCDS74MT270	27	M	1KHZ/0.25V	0.1404	1.300
GCDS74MT330	33	M	1KHZ/0.25V	0.1768	1.100
GCDS74MT470	47	M	1KHZ/0.25V	0.2600	0.900
GCDS74MT560	56	M	1KHZ/0.25V	0.2860	0.820
GCDS74MT680	68	M	1KHZ/0.25V	0.3380	0.774
GCDS74MT820	82	M	1KHZ/0.25V	0.3640	0.700
GCDS74MT101	100	M	1KHZ/0.25V	0.4030	0.680
GCDS74MT121	120	M	1KHZ/0.25V	0.5460	0.650
GCDS74MT151	150	M	1KHZ/0.25V	0.6890	0.590
GCDS74MT181	180	M	1KHZ/0.25V	0.7670	0.570
GCDS74MT221	220	M	1KHZ/0.25V	1.2400	0.470
GCDS74MT271	270	M	1KHZ/0.25V	1.3000	0.450
GCDS74MT331	330	M	1KHZ/0.25V	1.5200	0.425
GCDS74MT391	390	M	1KHZ/0.25V	1.7700	0.375
GCDS74MT471	470	M	1KHZ/0.25V	2.6000	0.330
GCDS74MT561	560	M	1KHZ/0.25V	2.8000	0.290
GCDS74MT821	820	M	1KHZ/0.25V	3.2500	0.240

Electrical characteristics List

GCDS124 Series

PART No.	L(uH)	Tolerance	Test Condition	DCR (Ω)MAX	IDC (A)
GCDS124NT1R0	1.5	N	100KHZ/0.25V	0.008	7.800
GCDS124NT1R5	1.8	N	100KHZ/0.25V	0.011	7.200
GCDS124NT2R2	2.5	N	100KHZ/0.25V	0.013	6.000
GCDS124NT3R3	3.3	N	100KHZ/0.25V	0.018	5.400
GCDS124NT3R9	3.9	N	100KHZ/0.25V	0.021	5.100
GCDS124NT4R7	4.7	N	100KHZ/0.25V	0.022	4.800
GCDS124NT5R6	5.6	N	100KHZ/0.25V	0.023	4.300
GCDS124NT6R8	6.8	N	100KHZ/0.25V	0.026	4.200
GCDS124NT8R2	8.2	N	100KHZ/0.25V	0.031	4.000
GCDS124MT100	10	M	1KHZ/0.25V	0.039	3.900
GCDS124MT120	12	M	1KHZ/0.25V	0.044	3.400
GCDS124MT150	15	M	1KHZ/0.25V	0.055	3.200
GCDS124MT180	18	M	1KHZ/0.25V	0.065	2.900
GCDS124MT220	22	M	1KHZ/0.25V	0.075	2.500
GCDS124MT270	27	M	1KHZ/0.25V	0.086	2.250
GCDS124MT330	33	M	1KHZ/0.25V	0.112	2.000
GCDS124MT390	39	M	1KHZ/0.25V	0.121	1.900
GCDS124MT470	47	M	1KHZ/0.25V	0.166	1.800
GCDS124MT560	56	M	1KHZ/0.25V	0.182	1.700
GCDS124MT680	68	M	1KHZ/0.25V	0.205	1.550
GCDS124MT820	82	M	1KHZ/0.25V	0.243	1.350
GCDS124MT101	100	M	1KHZ/0.25V	0.299	1.200
GCDS124MT121	120	M	1KHZ/0.25V	0.358	1.100
GCDS124MT151	150	M	1KHZ/0.25V	0.462	0.950
GCDS124MT181	180	M	1KHZ/0.25V	0.507	0.850
GCDS124MT221	220	M	1KHZ/0.25V	0.663	0.800
GCDS124MT271	270	M	1KHZ/0.25V	0.741	0.650
GCDS124MT331	330	M	1KHZ/0.25V	0.936	0.550
GCDS124MT391	390	M	1KHZ/0.25V	1.050	0.500
GCDS124MT471	470	M	1KHZ/0.25V	1.300	0.440
GCDS124MT561	560	M	1KHZ/0.25V	1.530	0.400
GCDS124MT681	680	M	1KHZ/0.25V	1.720	0.370
GCDS124MT821	820	M	1KHZ/0.25V	2.210	0.350
GCDS124MT102	1000	M	1KHZ/0.25V	2.670	0.320

Electrical characteristics List
GCDS125 Series

PART No.	L(uH)	Tolerance	Test Condition	DCR (Ω)MAX	IDC (A)
GCDS125NT1R0	1.0	N	100KHZ/0.25V	0.0110	8.50
GCDS125NT2R2	2.2	N	100KHZ/0.25V	0.0155	6.50
GCDS125NT2R7	2.7	N	100KHZ/0.25V	0.0170	6.00
GCDS125NT3R3	3.3	N	100KHZ/0.25V	0.0180	5.70
GCDS125NT4R7	4.7	N	100KHZ/0.25V	0.0205	4.70
GCDS125NT5R6	5.6	N	100KHZ/0.25V	0.0210	4.70
GCDS125NT6R8	6.8	N	100KHZ/0.25V	0.0143	4.40
GCDS125MT100	10	M	1KHZ/0.25V	0.0250	4.00
GCDS125MT120	12	M	1KHZ/0.25V	0.0270	3.50
GCDS125MT150	15	M	1KHZ/0.25V	0.0300	3.30
GCDS125MT180	18	M	1KHZ/0.25V	0.0340	3.00
GCDS125MT220	22	M	1KHZ/0.25V	0.0360	2.80
GCDS125MT270	27	M	1KHZ/0.25V	0.0510	2.30
GCDS125MT330	33	M	1KHZ/0.25V	0.0570	2.10
GCDS125MT390	39	M	1KHZ/0.25V	0.0680	2.00
GCDS125MT470	47	M	1KHZ/0.25V	0.0750	1.80
GCDS125MT560	56	M	1KHZ/0.25V	0.1100	1.70
GCDS125MT680	68	M	1KHZ/0.25V	0.1200	1.50
GCDS125MT820	82	M	1KHZ/0.25V	0.1400	1.40
GCDS125MT101	100	M	1KHZ/0.25V	0.1600	1.30
GCDS125MT121	120	M	1KHZ/0.25V	0.1700	1.10
GCDS125MT151	150	M	1KHZ/0.25V	0.2300	1.00
GCDS125MT181	180	M	1KHZ/0.25V	0.2900	0.90
GCDS125MT221	220	M	1KHZ/0.25V	0.4000	0.800
GCDS125MT271	270	M	1KHZ/0.25V	0.4600	0.75
GCDS125MT331	330	M	1KHZ/0.25V	0.5100	0.68
GCDS125MT391	390	M	1KHZ/0.25V	0.6900	0.65
GCDS125MT471	470	M	1KHZ/0.25V	0.7700	0.58
GCDS125MT561	560	M	1KHZ/0.25V	0.8600	0.54
GCDS125MT681	680	M	1KHZ/0.25V	1.3200	0.41
GCDS125MT821	820	M	1KHZ/0.25V	1.8500	0.38
GCDS125MT102	1000	M	1KHZ/0.25V	2.2700	0.36

Electrical characteristics List

GCDS127 Series

PART No.	L(uH)	Tolerance	Test Condition	DCR (Ω)MAX	IDC (A)
GCDS127NT1R0	1.0	N	100KHZ/0.25V	0.00650	10.40
GCDS127NT1R5	1.5	N	100KHZ/0.25V	0.00850	9.20
GCDS127NT2R2	2.2	N	100KHZ/0.25V	0.01100	8.40
GCDS127NT2R7	2.7	N	100KHZ/0.25V	0.01220	7.80
GCDS127NT3R3	3.3	N	100KHZ/0.25V	0.01300	7.60
GCDS127NT3R9	3.9	N	100KHZ/0.25V	0.01400	7.20
GCDS127NT4R7	4.7	N	100KHZ/0.25V	0.01580	6.80
GCDS127NT5R6	5.6	N	100KHZ/0.25V	0.01670	6.70
GCDS127NT6R8	6.8	N	100KHZ/0.25V	0.01840	6.50
GCDS127NT7R6	7.6	N	100KHZ/0.25V	0.02000	5.90
GCDS127MT100	10	M	1KHZ/0.25V	0.02340	5.40
GCDS127MT120	12	M	1KHZ/0.25V	0.02600	4.90
GCDS127MT150	15	M	1KHZ/0.25V	0.02860	4.50
GCDS127MT180	18	M	1KHZ/0.25V	0.03920	3.90
GCDS127MT220	22	M	1KHZ/0.25V	0.04320	3.60
GCDS127MT270	27	M	1KHZ/0.25V	0.05109	3.30
GCDS127MT330	33	M	1KHZ/0.25V	0.06480	3.00
GCDS127MT390	39	M	1KHZ/0.25V	0.07290	2.75
GCDS127MT470	47	M	1KHZ/0.25V	0.10000	2.50
GCDS127MT560	56	M	1KHZ/0.25V	0.11000	2.35
GCDS127MT680	68	M	1KHZ/0.25V	0.14000	2.10
GCDS127MT820	82	M	1KHZ/0.25V	0.16000	1.95
GCDS127MT101	100	M	1KHZ/0.25V	0.22000	1.70
GCDS127MT121	120	M	1KHZ/0.25V	0.25000	1.60
GCDS127MT151	150	M	1KHZ/0.25V	0.28000	1.42
GCDS127MT181	180	M	1KHZ/0.25V	0.29000	1.30
GCDS127MT221	220	M	1KHZ/0.25V	0.29900	1.16
GCDS127MT271	270	M	1KHZ/0.25V	0.40300	1.06
GCDS127MT331	330	M	1KHZ/0.25V	0.45500	0.95
GCDS127MT391	390	M	1KHZ/0.25V	0.49400	0.88
GCDS127MT471	470	M	1KHZ/0.25V	0.68900	0.79
GCDS127MT561	560	M	1KHZ/0.25V	0.79300	0.73
GCDS127MT821	820	M	1KHZ/0.25V	1.1000	0.60
GCDS127MT102	1000	M	1KHZ/0.25V	1.4000	0.53

Electrical characteristics List**GCDS129 Series**

PART No.	L(uH)	Tolerance	Test Condition	DCR (Ω)MAX	IDC (A)
GCDS129NT1R0	1.0	N	100KHZ/0.25V	0.010	13.0
GCDS129NT2R2	2.2	N	100KHZ/0.25V	0.018	11.5
GCDS129NT3R3	3.3	N	100KHZ/0.25V	0.019	10.0
GCDS129NT4R7	4.7	N	100KHZ/0.25V	0.020	9.30
GCDS129NT6R8	6.8	N	100KHZ/0.25V	0.028	8.40
GCDS129MT100	10	M	1KHZ/0.25V	0.032	7.10
GCDS129MT150	15	M	1KHZ/0.25V	0.050	5.70
GCDS129MT220	22	M	1KHZ/0.25V	0.038	5.00
GCDS129MT270	27	M	1KHZ/0.25V	0.040	4.60
GCDS129MT330	33	M	1KHZ/0.25V	0.053	4.20
GCDS129MT390	39	M	1KHZ/0.25V	0.059	4.10
GCDS129MT470	47	M	1KHZ/0.25V	0.066	3.80
GCDS129MT680	68	M	1KHZ/0.25V	0.098	3.20
GCDS129MT101	100	M	1KHZ/0.25V	0.150	2.50
GCDS129MT151	150	M	1KHZ/0.25V	0.250	2.10
GCDS129MT221	220	M	1KHZ/0.25V	0.320	1.80
GCDS129MT271	270	M	1KHZ/0.25V	0.350	1.60
GCDS129MT330	330	M	1KHZ/0.25V	0.520	1.50
GCDS129MT471	470	M	1KHZ/0.25V	0.620	1.40
GCDS129MT681	680	M	1KHZ/0.25V	0.950	1.10
GCDS129MT102	1000	M	1KHZ/0.25V	1.300	0.90