

SMD POWER INDUCTORS

Series DI - G Ferrite powder shielded



FEATURES

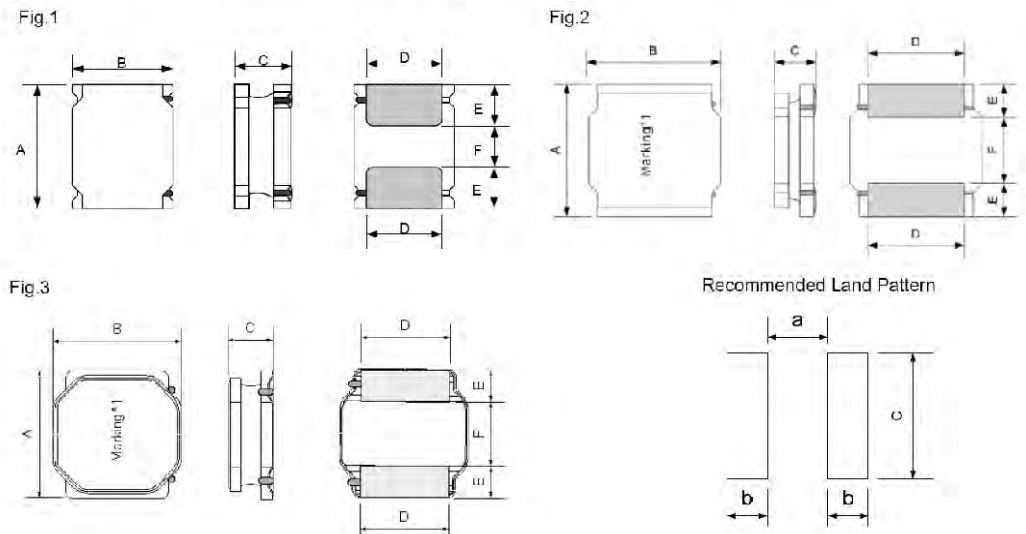
- ◆ Low DC Resistance, High Current capacity and high impedance characteristics.
- ◆ Excellent solder heat resistnace. Both flow and reflow soldering methods can employed.
- ◆ Magnetic epoxy resin with shielded

PRODUCT IDENTIFICATION

DI 80 G 40 T M 10U0
a b c d e f g

- a : Type of products - SMD Power Inductors DI series.
- b : Dimensions (mm) - 80 : 8.0X8.0
- c : Materials - Design code
- d : Thickness (mm) - 40 = 4.0
- e : Packing - PCS/REEL - T = 1,200
- f : Tolerance - 3 : ±30% M : ±20%
- g : Inductance - 100N = 0.1 μH, 10U0 = 10.0 μH, 1M20 = 1200 μH

SHAPES & DIMENSIONS



Parts	Fig.	A	B	C	D	E	F	a Typ.	b Typ.	c Typ.
DI20G10	1	2.5±0.1	2.0±0.1	1.0 Mzx	1.5 Ref	0.8 Ref	0.8 Ref	0.8	0.85	2
DI20G12	1	2.5±0.1	2.0±0.1	1.2 Mzx	1.5 Ref	0.8 Ref	0.8 Ref	0.8	0.85	2
DI30G10	2	3.0±0.2	3.0±0.3	1.0 Max	2.5 Ref	0.75 Ref	1.5 Ref	1.5	0.8	2.7
DI30G12	2	3.0±0.2	3.0±0.3	1.2 Max	2.5 Ref	0.75 Ref	1.5 Ref	1.5	0.8	2.7
DI30G15	2	3.0±0.2	3.0±0.3	1.5 Max	2.5 Ref	0.75 Ref	1.5 Ref	1.5	0.8	2.7
DI40G10	3	4.0±0.2	4.0±0.2	1.0 Max	3.3 Ref	0.95 Ref	2.1 Ref	1.9	1.1	3.7
DI40G12	2	4.0±0.2	4.0±0.2	1.2 Max	3.3 Ref	0.95 Ref	2.1 Ref	1.9	1.1	3.7
DI40G18	2	4.0±0.2	4.0±0.2	1.8 Max	3.3 Ref	0.95 Ref	2.1 Ref	1.9	1.1	3.7
DI40G20	2	4.0±0.2	4.0±0.2	2.0 Max	3.3 Ref	0.95 Ref	2.1 Ref	1.9	1.1	3.7
DI40G26	3	4.0±0.2	4.0±0.2	2.6 Max	3.3 Ref	0.95 Ref	2.1 Ref	1.9	1.1	3.7
DI40G30	2	4.0±0.2	4.0±0.2	3.0 Max	3.3 Ref	0.95 Ref	2.1 Ref	1.9	1.1	3.7
DI50G20	3	5.0±0.2	5.0±0.2	2.0 Max	4.0 Ref	1.25 Ref	2.5 Ref	2.3	1.4	4.2
DI50G40	3	5.0±0.2	5.0±0.2	4.0 Max	4.0 Ref	1.25 Ref	2.5 Ref	2.3	1.4	4.2
DI60G20	2	6.0±0.3	6.0±0.3	2.0 Max	4.9 Ref	1.55 Ref	2.9 Ref	2.8	1.7	5.7
DI60G28	2	6.0±0.3	6.0±0.3	2.8 Max	4.9 Ref	1.55 Ref	2.9 Ref	2.8	1.7	5.7
DI60G45	2	6.0±0.3	6.0±0.3	4.5 Max	4.9 Ref	1.55 Ref	2.9 Ref	2.8	1.7	5.7
DI80G40	2	8.0±0.3	8.0±0.3	4.2 Max	6.3 Ref	2.00 Ref	4.0 Ref	3.8	2.2	7.5

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Part Number	Inductance (μ H)/100KHz 1.0V	Tolerance \pm (%)	RDC (Ω) \pm 30%	Isat (A) max.	Irms (A) max.
DI20G1033 470N	0.47	30	0.056	2.50	2.35
DI20G1033 560N	0.56	30	0.072	2.90	2.00
DI20G1033 680N	0.68	30	0.074	2.20	2.00
DI20G1033 1U	1	30	0.108	1.85	1.65
DI20G1033 1U5	1.5	30	0.182	1.80	1.30
DI20G1033 2U2	2.2	30	0.209	1.20	1.20
DI20G103M 3R3	3.3	20	0.328	1.05	0.90
DI20G103M 4U7	4.7	20	0.563	0.95	0.70
DI20G103M 5U6	5.6	20	0.563	0.80	0.73
DI20G103M 6U8	6.8	20	0.896	0.78	0.59
DI20G103M 10U	10	20	1.092	0.65	0.50
DI20G1233 470N	0.47	30	0.056	3.82	2.15
DI20G1233 680N	0.68	30	0.068	3.28	1.95
DI20G1233 1U	1	30	0.083	2.59	1.93
DI20G1233 1U2	1.2	30	0.119	2.38	1.46
DI20G123M 1U5	1.5	20	0.136	2.24	1.40
DI20G123M 2U2	2.2	20	0.199	1.85	1.15
DI20G123M 2U7	2.7	20	0.221	1.72	1.09
DI20G123M 3U3	3.3	20	0.244	1.61	1.04
DI20G123M 3U6	3.6	20	0.322	1.46	0.90
DI20G123M 4U3	4.3	20	0.348	1.37	0.87
DI20G123M 4U7	4.7	20	0.348	1.12	0.84
DI20G123M 5U1	5.1	20	0.462	1.23	0.75
DI20G123M 5U6	5.6	20	0.497	1.11	0.73
DI20G123M 6U2	6.2	20	0.500	1.03	0.73
DI20G123M 6U8	6.8	20	0.536	0.98	0.69
DI20G123M 7U5	7.5	20	0.564	0.97	0.68
DI20G123M 8U2	8.2	20	0.607	0.98	0.65
DI20G123M 9U1	9.1	20	0.637	0.91	0.62
DI20G123M 10U	10	20	0.637	0.79	0.62
DI20G123M 12U	12	20	0.992	0.78	0.51
DI20G123M 15U	15	20	1.469	0.68	0.42
DI20G123M 22U	22	20	1.824	0.53	0.38
DI30G1033 1U	1	30	0.650	1.40	1.45
DI30G1033 1U2	1.2	30	0.650	1.25	1.45
DI30G1033 1U5	1.5	30	0.080	1.27	1.30
DI30G1033 2U2	2.2	30	0.110	1.15	1.09
DI30G1033 2U7	2.7	30	0.130	1.00	1.02
DI30G1033 3U3	3.3	30	0.145	0.97	0.96
DI30G103M 3U6	3.6	20	0.165	0.95	0.90
DI30G103M 4U7	4.7	20	0.225	0.75	0.77
DI30G103M 6U8	6.8	20	0.305	0.55	0.66
DI30G103M 10U	10	20	0.400	0.55	0.58
DI30G103M 12U	12	20	0.505	0.43	0.52
DI30G103M 15U	15	20	0.610	0.42	0.47
DI30G103M 22U	22	20	0.930	0.35	0.38
DI30G103M 27U	27	20	1.080	0.30	0.35
DI30G103M 33U	33	20	1.550	0.29	0.30
DI30G103M 39U	39	20	1.750	0.28	0.28

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ELECTRICAL CHARACTERISTICS

Part Number	Inductance (μ H)/100KHz 1.0V	Tolerance \pm (%)	RDC (Ω) \pm 30%	Isat (A) max.	Irms (A) max.
DI30G103M 43U	43	20	1.8	0.23	0.27
DI30G103M 47U	47	20	1.95	0.22	0.26
DI30G103M 51U	56	20	2.2	0.21	0.25
DI30G103M 56U	62	20	2.32	0.21	0.24
DI30G1233 820N	0.82	30	0.03	2.05	2.47
DI30G1233 1U	1	30	0.04	1.87	2.2
DI30G1233 1U2	1.2	30	0.045	2.22	2.01
DI30G1233 1U5	1.5	30	0.045	1.62	2.01
DI30G1233 1U8	1.8	30	0.063	1.3	1.65
DI30G1233 2U2	2.2	30	0.075	1.2	1.55
DI30G1233 2U4	2.4	30	0.068	1.15	1.6
DI30G1233 2U7	2.7	30	0.085	1.14	1.48
DI30G123M 3U3	3.3	30	0.1	1.05	1.36
DI30G123M 3U9	3.9	30	0.145	1	1.24
DI30G123M 4U7	4.7	30	0.12	0.9	1.24
DI30G123M 6U8	6.8	30	0.19	0.75	0.98
DI30G123M 10U	10	20	0.265	0.6	0.83
DI30G123M 12U	12	20	0.345	0.48	0.73
DI30G123M 15U	15	20	0.36	0.45	0.71
DI30G123M 18U	18	20	0.545	0.43	0.58
DI30G123M 22U	22	20	0.645	0.42	0.53
DI30G123M 27U	27	20	0.87	0.35	0.47
DI30G123M 33U	33	20	0.875	0.36	0.46
DI30G123M 36U	36	20	0.95	0.34	0.44
DI30G123M 39U	39	20	1.33	0.3	0.37
DI30G123M 47U	47	20	1.45	0.27	0.35
DI30G123M 68U	68	20	1.67	0.24	0.33
DI30G123M 82U	82	20	2.54	0.17	0.27
DI30G123M 100U	100	30	2.86	0.21	0.25
DI30G1533 1U	1	30	0.03	2.32	2.35
DI30G1533 1U2	1.2	30	0.04	2.21	1.95
DI30G1533 1U5	1.5	30	0.05	2.3	1.7
DI30G1533 1U8	1.8	30	0.05	1.75	1.7
DI30G1533 2U2	2.2	30	0.06	1.6	1.6
DI30G1533 2U7	2.7	30	0.075	1.52	1.43
DI30G1533 3U3	3.3	30	0.08	1.32	1.36
DI30G1533 3U6	3.6	30	0.105	1.28	1.2
DI30G1533 4U3	4.3	30	0.115	1.2	1.14
DI30G1533 4U7	4.7	30	0.125	1.1	1.09
DI30G1533 5U1	5.1	30	0.133	1	1.05
DI30G1533 6U2	6.2	30	0.195	1	0.86
DI30G1533 6U8	6.8	30	0.2	0.85	0.85
DI30G153M 10U	10	20	0.25	0.72	0.77
DI30G153M 12U	12	20	0.32	0.7	0.68
DI30G153M 15U	15	20	0.35	0.66	0.65
DI30G153M 18U	18	20	0.43	0.56	0.59
DI30G153M 22U	22	20	0.46	0.52	0.57
DI30G153M 27U	27	20	0.73	0.48	0.45
DI30G153M 33U	33	20	0.82	0.44	0.43

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Part Number	Inductance (μ H)/100KHz 1.0V	Tolerance \pm (%)	RDC (Ω) \pm 30%	Isat (A) max.	Irms (A) max.
DI30G153M 39U	39	20	0.955	0.41	0.39
DI30G153M 43U	43	20	1.06	0.37	0.37
DI30G153M 47U	47	20	1.25	0.35	0.35
DI30G153M 56U	56	20	1.28	0.33	0.34
DI30G153M 62U	62	20	1.61	0.3	0.3
DI30G153M 68U	68	20	2.7	0.28	0.23
DI40G1033 1U	1	30	0.056	2	1.9
DI40G1033 1U5	1.5	30	0.07	1.68	1.7
DI40G103M 2U2	2.2	20	0.085	1.2	1.5
DI40G103M 3U3	3.3	20	0.1	1.1	1.4
DI40G103M 4U7	4.7	20	0.14	0.95	1.2
DI40G103M 6U8	6.8	20	0.2	0.8	1
DI40G103M 10U	10	20	0.3	0.62	0.75
DI40G103M 15U	15	20	0.43	0.54	0.6
DI40G103M 22U	22	20	0.57	0.45	0.5
DI40G1233 820N	0.82	30	0.05	3.02	1.65
DI40G1233 1U	1	30	0.05	2.61	1.65
DI40G1233 1U2	1.2	30	0.065	2.83	1.46
DI40G1233 1U5	1.5	30	0.065	2.1	1.46
DI40G1233 1U8	1.8	30	0.08	2.12	1.32
DI40G1233 2U2	2.2	30	0.08	1.76	1.32
DI40G1233 2U7	2.7	30	0.09	1.9	1.25
DI40G1233 3U3	3.3	30	0.11	1.72	1.12
DI40G1233 3U6	3.6	30	0.11	1.2	1.12
DI40G1233 4U3	4.3	30	0.14	1.58	1
DI40G1233 4U7	4.7	30	0.125	1.15	1.05
DI40G1233 5U1	5.1	30	0.155	1.55	0.95
DI40G1233 5U6	5.6	30	0.14	1	1
DI40G1233 6U8	6.8	30	0.198	0.85	0.84
DI40G123M 10U	10	20	0.265	0.8	0.77
DI40G123M 12U	12	20	0.29	0.66	0.7
DI40G123M 15U	15	20	0.34	0.56	0.64
DI40G123M 18U	18	20	0.47	0.55	0.55
DI40G123M 22U	22	20	0.587	0.46	0.49
DI40G123M 27U	27	20	0.72	0.5	0.45
DI40G123M 33U	33	20	0.81	0.42	0.42
DI40G123M 36U	36	20	0.9	0.4	0.4
DI40G123M 39U	39	20	1.1	0.55	0.37
DI40G123M 47U	47	20	1.1	0.35	0.37
DI40G123M 56U	56	20	1.25	0.33	0.33
DI40G123M 62U	62	20	1.25	0.33	0.33
DI40G123M 68U	68	20	1.95	0.38	0.27
DI40G123M 82U	82	20	2.14	0.28	0.26
DI40G123M 100U	100	20	2.21	0.25	0.25
DI40G1833 1U	1	30	0.025	4.8	2
DI40G1833 2U2	2.2	30	0.045	2.7	1.65
DI40G1833 3U3	3.3	30	0.07	2.45	1.23
DI40G1833 4U7	4.7	30	0.09	1.7	1.2
DI40G1833 6U8	6.8	30	0.11	1.45	1.06

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Part Number	Inductance (μ H)/100KHz 1.0V	Tolerance \pm (%)	RDC (Ω) $\pm 30\%$	Isat (A) max.	Irms (A) max.
DI40G183M 10U	10	20	0.18	1.3	0.84
DI40G183M 15U	15	20	0.25	0.94	0.65
DI40G183M 22U	22	20	0.36	0.8	0.59
DI40G183M 33U	33	20	0.53	0.65	0.49
DI40G183M 47U	47	20	0.65	0.57	0.42
DI40G183M 68U	68	20	1	0.47	0.32
DI40G183M 100U	100	20	1.75	0.4	0.25
DI40G183M 150U	150	20	2.5	0.31	0.22
DI40G183M 220U	220	20	4	0.27	0.17
DI40G2033 1U	1	30	0.029	4.78	2.15
DI40G2033 1U2	1.2	30	0.029	5.1	2.15
DI40G2033 1U5	1.5	30	0.035	4.45	1.98
DI40G2033 2U2	2.2	30	0.04	3.4	1.85
DI40G2033 3U3	3.3	20	0.07	3.2	1.4
DI40G2033 3U6	3.6	20	0.055	2.8	1.54
DI40G2033 4U7	4.7	20	0.075	2.35	1.34
DI40G2033 5U1	5.1	20	0.085	2.3	1.27
DI40G2033 5U6	5.6	20	0.09	2.2	1.22
DI40G2033 6U2	6.2	20	0.115	2.15	1.08
DI40G2033 6U8	6.8	20	0.125	2.2	1.04
DI40G2033 7U5	7.5	20	0.115	1.85	1.08
DI40G203M 8U2	8.2	20	0.125	1.75	1.04
DI40G203M 10U	10	20	0.165	1.6	0.9
DI40G203M 12U	12	20	0.175	1.5	0.88
DI40G203M 15U	15	20	0.23	1.35	0.77
DI40G203M 22U	22	20	0.35	1.05	0.62
DI40G203M 27U	27	20	0.545	1.02	0.5
DI40G203M 33U	33	20	0.55	0.85	0.49
DI40G203M 39U	39	20	0.65	0.82	0.46
DI40G203M 43U	43	20	0.66	0.77	0.45
DI40G203M 47U	47	20	0.71	0.74	0.44
DI40G203M 51U	51	20	0.75	0.7	0.42
DI40G203M 56U	56	20	0.8	0.66	0.41
DI40G203M 62U	62	20	0.9	0.65	0.39
DI40G203M 68U	68	20	1.06	0.61	0.36
DI40G203M 75U	75	20	1.16	0.7	0.35
DI40G203M 82U	82	20	1.17	0.5	0.34
DI40G203M 100U	100	20	1.55	0.48	0.31
DI40G2633 1U2	1.2	30	0.03	3.1	2.3
DI40G2633 1U5	1.5	30	0.03	2.4	2.3
DI40G263M 2U2	2.2	20	0.04	2.1	2
DI40G263M 3U3	3.3	20	0.05	1.8	1.7
DI40G263M 4U7	4.7	20	0.055	1.45	1.6
DI40G263M 6U8	6.8	20	0.0654	1.3	1.5
DI40G263M 10U	10	20	0.085	1	1.3
DI40G263M 15U	15	20	0.11	0.9	1.1
DI40G263M 22U	22	20	0.165	0.6	0.9
DI40G263M 33U	33	20	0.27	0.55	0.7
DI40G263M 47U	47	20	0.3	0.4	0.65

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Part Number	Inductance (μ H)/100KHz 1.0V	Tolerance \pm (%)	RDC (Ω) \pm 30%	Isat (A) max.	Irms (A) max.
DI40G3033 910N	0.91	30	0.013	6.25	4
DI40G3033 1U	1	30	0.014	5.26	4.15
DI40G3033 1U2	1.2	30	0.015	5.8	3.82
DI40G3033 1U5	1.5	30	0.02	4.84	3.34
DI40G3033 1U8	1.8	30	0.028	4.8	3
DI40G3033 2U2	2.2	30	0.03	4.4	2.95
DI40G3033 3U3	3.3	20	0.04	3.3	2.4
DI40G3033 4U3	4.3	20	0.055	2.95	2.1
DI40G3033 4U7	4.7	20	0.06	2.9	2
DI40G3033 5U6	5.6	20	0.065	2.6	1.95
DI40G3033 6U2	6.2	20	0.07	2.5	1.85
DI40G3033 6U8	6.8	20	0.09	2.75	1.6
DI40G3033 7U5	7.5	20	0.085	2.2	1.65
DI40G3033 8U2	8.2	20	0.09	2.1	1.6
DI40G3033 9U1	9.1	20	0.095	2	1.55
DI40G303M 10U	10	20	0.1	1.95	1.5
DI40G303M 12U	12	20	0.135	1.7	1.3
DI40G303M 15U	15	20	0.19	1.65	1.11
DI40G303M 18U	18	20	0.2	1.4	1.1
DI40G303M 22U	22	20	0.225	1.3	1
DI40G303M 33U	33	20	0.33	1.1	0.84
DI40G303M 36U	36	20	0.335	1.05	0.83
DI40G303M 39U	39	20	0.435	1.03	0.73
DI40G303M 43U	43	20	0.44	1	0.73
DI40G303M 47U	47	20	0.445	0.95	0.72
DI40G303M 51U	51	20	0.47	0.9	0.7
DI40G303M 56U	56	20	0.555	0.85	0.65
DI40G303M 62U	62	20	0.585	0.8	0.63
DI40G303M 68U	68	20	0.868	0.72	0.52
DI40G303M 75U	75	20	1.02	0.7	0.48
DI40G303M 82U	82	20	1.06	0.66	0.47
DI40G303M 91U	91	20	1.1	0.65	0.46
DI40G303M 100U	100	20	1.15	0.6	0.45
DI40G303M 120U	120	20	1.35	0.55	0.42
DI50G2033 470N	0.47	30	0.013	6.15	4.6
DI50G2033 750N	0.75	30	0.017	5.5	4
DI50G2033 1U	1	30	0.02	4.1	3.8
DI50G2033 1U2	1.2	30	0.022	4.5	3.55
DI50G2033 1U5	1.5	30	0.026	4.1	3.2
DI50G2033 2U2	2.2	30	0.032	3.2	2.9
DI50G2033 2U7	2.7	30	0.038	2.9	2.7
DI50G2033 3U	3	30	0.038	2.55	2.7
DI50G2033 3U3	3.3	30	0.043	2.55	2.5
DI50G2033 3U6	3.6	30	0.043	2.8	2.5
DI50G2033 3U9	3.9	30	0.043	2.3	2.5
DI50G2033 4U3	4.3	20	0.057	2.5	2.2
DI50G2033 4U7	4.7	20	0.057	2.5	2.2
DI50G2033 5U1	5.1	20	0.064	2.25	2.05
DI50G2033 5U6	5.6	20	0.064	2.3	2.05

SMD POWER INDUCTORS

Series **DI-G** Ferrite powder shielded

ELECTRICAL CHARACTERISTICS

Part Number	Inductance (μ H)/100KHz 1.0V	Tolerance \pm (%)	RDC (Ω) \pm 30%	Isat (A) max.	Irms (A) max.
DI50G2033 6U8	6.8	20	0.083	2.05	1.8
DI50G2033 7U5	7.5	20	0.09	1.85	1.75
DI50G2033 8U2	8.2	20	0.098	1.85	1.65
DI50G203M 9U1	9.1	20	0.11	1.7	1.55
DI50G203M 10U	10	20	0.11	1.7	1.55
DI50G203M 12U	12	20	0.14	1.5	1.4
DI50G203M 15U	15	20	0.165	1.35	1.25
DI50G203M 18U	18	20	0.2	1.25	1.15
DI50G203M 22U	22	20	2.26	1.15	1.1
DI50G203M 27U	27	20	0.285	1.09	0.95
DI50G203M 33U	33	20	0.39	0.92	0.9
DI50G203M 36U	36	20	0.38	0.93	0.8
DI50G203M 39U	39	20	0.415	0.93	0.78
DI50G203M 43U	43	20	0.45	0.88	0.75
DI50G203M 47U	47	20	0.523	0.77	0.77
DI50G203M 51U	51	20	0.545	0.76	0.68
DI50G203M 56U	56	20	0.63	0.77	0.77
DI50G203M 62U	62	20	0.625	0.72	0.63
DI50G203M 68U	68	20	0.885	0.7	0.53
DI50G203M 75U	75	20	0.89	0.63	0.53
DI50G203M 82U	82	20	0.945	0.62	0.52
DI50G203M 91U	91	20	1	0.61	0.5
DI50G203M 100U	100	20	1.1	0.53	0.53
DI50G4033 1U	1	30	0.012	7.35	4.9
DI50G4033 1U2	1.2	30	0.016	6.5	4.15
DI50G4033 1U5	1.5	30	0.015	5.3	4.3
DI50G4033 2U2	2.2	30	0.019	4.9	3.8
DI50G4033 2U7	2.7	30	0.022	4.3	3.6
DI50G4033 3U3	3.3	30	0.024	3.95	3.4
DI50G4033 3U9	3.9	30	0.027	3.55	3.2
DI50G4033 4U7	4.7	30	0.03	3.5	3
DI50G4033 6U8	6.8	20	0.043	2.9	2.5
DI50G4033 10U	10	20	0.064	2.35	2.1
DI50G4033 15U	15	20	0.086	2	2
DI50G4033 22U	22	20	0.129	1.6	1.5
DI50G4033 33U	33	20	0.188	1.3	1.2
DI50G4033 47U	47	20	0.272	1.1	1
DI50G4033 68U	68	20	0.4	0.9	0.8
DI50G4033 100U	100	20	0.56	0.75	0.7
DI60G2033 560N	0.56	30	0.014	4.5	3.3
DI60G2033 680N	0.68	30	0.017	6.55	3.8
DI60G2033 820N	0.82	30	0.017	5.3	3.8
DI60G2033 1U	1	30	0.02	4.15	3.5
DI60G2033 1U2	1.2	30	0.022	5.9	3.2
DI60G2033 1U5	1.5	30	0.022	4.25	3.2
DI60G2033 1U8	1.8	30	0.028	4.85	2.75
DI60G2033 2U	2	30	0.035	4.1	2.6
DI60G2033 2U2	2.2	30	0.028	3.75	2.75
DI60G2033 2U7	2.7	30	0.035	3.9	2.6

SMD POWER INDUCTORS

Series **DI-G** Ferrite powder shielded

ELECTRICAL CHARACTERISTICS

Part Number	Inductanc (μ H)/100KHz 1.0V	Tolerance \pm (%)	RDC (Ω) \pm 30%	Isat (A) max.	Irms (A) max.
DI60G2033 3U3	3.3	30	0.035	3.15	2.6
DI60G2033 3U9	3.9	30	0.049	3.25	2.1
DI60G2033 4U3	4.3	30	0.049	2.7	2.1
DI60G2033 4U7	4.7	30	0.058	3	2
DI60G2033 5U6	5.6	30	0.058	2.4	1.9
DI60G2033 6U2	6.2	30	0.079	2.3	1.8
DI60G2033 6U8	6.8	30	0.079	2.2	1.8
DI60G2033 8U2	8.2	30	0.105	2.1	1.4
DI60G203M 10U	10	20	0.105	1.75	1.4
DI60G203M 12U	12	20	0.12	1.45	1.3
DI60G203M 15U	15	20	0.145	1.2	1.2
DI60G203M 18U	18	20	0.18	1.2	1.08
DI60G203M 22U	22	20	0.204	1.05	1
DI60G2833 1U	1	30	0.01	5.75	4.58
DI60G2833 1U5	1.5	30	0.013	6	4.58
DI60G2833 2U2	2.2	30	0.02	5.1	4.09
DI60G2833 2U7	2.7	30	0.02	3.8	3.75
DI60G2833 3U3	3.3	30	0.025	4.15	3.48
DI60G2833 4U7	4.7	30	0.03	3	3.08
DI60G2833 5U1	5.1	30	0.043	3.2	2.89
DI60G2833 6U2	6.2	20	0.047	3.05	2.58
DI60G2833 6U8	6.8	20	0.047	2.6	
DI60G2833 8U2	8.2	20	0.055	2.3	2.25
DI60G283M 9U1	9.1	20	0.074	2.55	2.15
DI60G283M 10U	10	20	0.072	2.04	2.05
DI60G2833 12U	12	20	0.08	1.8	
DI60G283M 15U	15	20	0.125	1.75	1.72
DI60G2833 18U	18	20	0.12	1.52	
DI60G283M 22U	22	20	0.14	1.45	1.4
DI60G283M 27U	27	20	0.155	1.5	1.32
DI60G283M 33U	33	20	0.185	1.35	1.22
DI60G283M 36U	36	20	0.215	1.25	1.13
DI60G283M 39U	39	20	0.225	1.25	1.1
DI60G283M 43U	43	20	0.235	1.2	1.07
DI60G283M 47U	47	20	0.315	1.15	1.06
DI60G283M 51U	51	20	0.265	1.05	1.01
DI60G283M 62U	62	20	0.345	0.95	0.89
DI60G283M 68U	68	20	0.36	0.8	0.086
DI60G283M 75U	75	20	0.41	0.9	0.81
DI60G283M 82U	82	20	0.5	0.8	0.7
DI60G283M 91U	91	20	0.505	0.8	0.73
DI60G283M 100U	100	20	0.5	0.65	0.7
DI60G4533 820N	0.82	30	0.008	20.4	5.9
DI60G4533 1U	1	30	0.011	9.85	5.14
DI60G4533 1U2	1.2	30	0.01	8.35	5.4
DI60G4533 1U5	1.5	30	0.012	8.8	4.95
DI60G4533 1U8	1.8	30	0.012	7.6	4.95
DI60G4533 2U2	2.2	30	0.014	6.75	4.6
DI60G4533 2U3	2.3	30	0.021	6	3.5

SMD POWER INDUCTORS

Series **DI-G** Ferrite powder shielded

ELECTRICAL CHARACTERISTICS

Part Number	Inductanc (μ H)/100KHz 1.0V	Tolerance \pm (%)	RDC (Ω) $\pm 30\%$	Isat (A) max.	Irms (A) max.
DI60G4533 2U7	2.7	30	0.015	5.75	4.3
DI60G4533 3U	3	30	0.02	5.6	3.8
DI60G4533 3U3	3.3	30	0.021	5.9	3.7
DI60G4533 3U6	3.6	30	0.021	5.25	3.7
DI60G453M 4U3	4.3	20	0.023	4.45	3.5
DI60G453M 4U7	4.7	20	0.026	4.97	3.3
DI60G453M 5U1	5.1	20	0.026	4.4	3.3
DI60G453M 5U6	5.6	20	0.029	4.15	3.15
DI60G453M 6U2	6.2	20	0.031	4.43	3
DI60G453M 6U8	6.8	20	0.031	3.9	3
DI60G453M 7U5	7.5	20	0.034	3.5	2.9
DI60G453M 8U2	8.2	20	0.043	3.9	2.6
DI60G453M 9U1	9.1	20	0.043	3.35	2.6
DI60G453M 10U	10	20	0.048	3.2	2.45
DI60G453M 12U	12	20	0.058	2.8	2.2
DI60G453M 15U	15	20	0.068	2.5	2.05
DI60G453M 18U	18	20	0.081	2.2	1.85
DI60G453M 22U	22	20	0.089	2.05	1.8
DI60G453M 27U	27	20	0.102	1.9	1.65
DI60G453M 30U	30	20	0.132	1.7	1.5
DI60G453M 33U	33	20	0.137	1.65	1.45
DI60G453M 36U	36	20	0.173	1.62	1.4
DI60G453M 39U	39	20	0.18	1.5	1.25
DI60G453M 43U	43	20	0.2	1.63	1.2
DI60G453M 47U	47	20	0.2	1.4	1.2
DI60G453M 51U	51	20	0.207	1.35	1.15
DI60G453M 56U	56	20	0.221	1.3	1.1
DI60G453M 62U	62	20	0.235	1.25	1.1
DI60G453M 68U	68	20	0.289	1.2	1
DI60G453M 75U	75	20	0.305	1.15	0.95
DI60G453M 82U	82	20	0.341	1.05	0.9
DI60G453M 91U	91	20	0.359	1	0.85
DI60G453M 100U	100	20	0.433	0.95	0.8
DI60G453M 120U	120	20	0.484	0.85	0.77
DI60G453M 150U	150	20	0.58	0.8	0.7
DI60G453M 220U	220	20	0.834	0.7	0.59
DI60G453M 330U	330	20	1.27	0.57	0.57
D80G40T3 820N	0.82	30	0.008	13.8	6.3
D80G40T3 900N	0.9	30	0.006	11	6.3
D80G40T3 1U	1	30	0.008	9.85	6.3
D80G40T3 1U5	1.5	30	0.01	8.15	5.65
D80G40T3 1U	2	30	0.012	8.25	5.15
D80G40T3 2U2	2.2	30	0.012	7.1	5.15
D80G40T3 3U	3	30	0.014	6.1	4.7
D80G40T3 3U3	3.3	30	0.017	6.5	4.4
D80G40T3 3U6	3.6	30	0.017	7.52	4.35
D80G40T3 3U9	3.9	30	0.017	5.75	4.35
D80G40T3 4U7	4.7	30	0.019	5.9	4.1
D80G40T3 5U1	5.1	30	0.019	4.7	4.05

SMD POWER INDUCTORS

Series **DI-G** Ferrite powder shielded
ELECTRICAL CHARACTERISTICS

Part Number	Inductanc (μ H)/100KHz 1.0V	Tolerance \pm (%)	RDC (Ω) \pm 30%	Isat (A) max.	Irms (A) max.
D80G40T3 5U6	5.6	30	0.021	6	3.85
D80G40T3 6U2	6.2	30	0.021	4.45	3.85
DI80F40TM 6U8	6.8	20	0.024	4.55	3.6
DI80F40TM 8U2	8.2	20	0.026	4.2	3.45
DI80F40TM 10U	10	20	0.029	3.6	3.3
DI80F40TM 12U	12	20	0.041	3.5	2.8
DI80F40TM 15U	15	20	0.047	2.95	2.6
DI80F40TM 18U	18	20	0.053	2.7	2.4
DI80F40TM 22U	22	20	0.069	2.4	2.1
DI80F40TM 27U	27	20	0.078	2.15	2
DI80F40TM 33U	33	20	0.097	2.05	1.8
DI80F40TM 36U	36	20	0.102	2	1.75
DI80F40TM 39U	39	20	0.107	1.95	1.7
DI80F40TM 43U	43	20	0.113	1.9	1.65
DI80F40TM 47U	47	20	0.136	1.75	1.55
DI80F40TM 51U	51	20	0.142	1.7	1.5
DI80F40TM 56U	56	20	0.148	1.55	1.45
DI80F40TM 62U	62	20	0.182	1.5	1.3
DI80F40TM 68U	68	20	0.196	1.45	1.25
DI80F40TM 75U	75	20	0.211	1.35	1.2
DI80F40TM 82U	82	20	0.225	1.3	1.15
DI80F40TM 91U	91	20	0.272	1.2	1.05
DI80F40TM 100U	100	20	0.29	1.15	1
DI80F40TM 120U	120	20	0.334	1.05	0.95
DI80F40TM 150U	150	20	0.41	1.1	0.85
DI80F40TM 220U	220	20	0.59	0.85	0.8
DI80F40TM 330U	330	20	0.889	0.68	0.64

1. When ordering, please specify tolerance and packaging codes. Ex: DI80G Series.

Tolerance : M= \pm 20% , 3 = \pm 30%

Packaging : Clear tape and reel { standard }.

2. Temp. rise: 40°C typ. At Irms

| Δ L/Lo | =30% Max at Isat.

3. Storage temp: -40°C~+85°C

4. Operating temp.: -40°C~+85°C

5. Resistance to Solder Heat: 260°C, 10 sec.