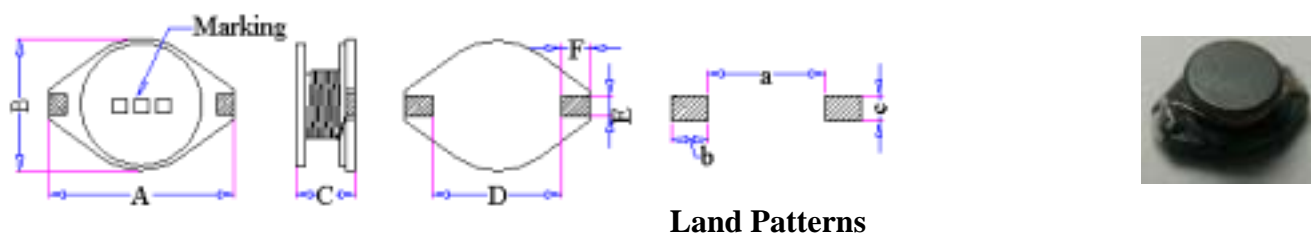


DO1608 / 3316 / 5022 SERIES (SMT POWER INDUCTORS)

Dimensions (unit:mm)



Land Patterns

TYPE	L range(uH)				A	B	C	D	E	F	a	b	c
	1	10	100	1K	max	max	max	ref.	ref.	ref.			
DO1608-XXXX	22			100	7.1	4.5	2.9	4.3	1.2	1.2	4.0	1.6	1.6
DO3316-XXXX	1			100	13.5	9.4	5.2	7.6	2.5	2.7	7.3	3.1	2.9
DO5022-XXXX	1			100	18.6	15.2	7.1	12.7	2.5	2.9	12.4	3.3	2.9

Features:

DO1608, DO3316 series offer the high energy storage and very low resistance

DO5022 serie is designed for the higher current

Application:

Power supply for DC-DC conversion in notebook computers,PDA's,step-up or step-down converters, flash memory programmers,etc

Specification for DO1608 Series

Part Number	Inductance (uH)	Test Frequency. (KHz)	DCR at 25 (Ω) (Max)	Rated current(A) (Max)	Marking
DO1608-2R2	2.20	100	0.07	2.30	2R2
DO1608-3R3	3.30	100	0.08	2.00	3R3
DO1608-4R7	4.70	100	0.09	1.50	4R7
DO1608-6R8	6.80	100	0.13	1.20	6R8
DO1608-100	10.0	100	0.16	1.10	100
DO1608-150	15.0	100	0.23	0.90	150
DO1608-220	22.0	100	0.37	0.70	220
DO1608-330	33.0	100	0.51	0.58	330
DO1608-470	47.0	100	0.64	0.50	470
DO1608-680	68.0	100	0.86	0.40	680
DO1608-101	100.0	100	1.27	0.31	101

- * **Tolerance (M 20% , N 30%)**
- * **The Inductance drop 10% typ. at Rated DC current**
- * **Test condition: at 100KHz/0.1V**
- * **Test Equipment:HP-4284 A; GOM-801G; 1310+1061**
- * **Operatng Temp.: -40 ~85**

Specification for DO3316 Series

Part Number	Inductance (uH)	Test Frequency. (KHz)	DCR at 25 (Ω) (Max)	Rated current(A) (Max)	Marking
DO3316-1R0	1.00	100	0.009	9.0	1R0
DO3316-1R5	1.50	100	0.010	8.0	1R5
DO3316-2R2	2.20	100	0.012	7.0	2R2
DO3316-3R3	3.30	100	0.015	6.4	3R3
DO3316-4R7	4.70	100	0.018	5.4	4R7
DO3316-6R8	6.80	100	0.027	4.6	6R8
DO3316-100	10.0	100	0.038	3.8	100
DO3316-150	15.0	100	0.046	3.0	150
DO3316-220	22.0	100	0.085	2.6	220
DO3316-330	33.0	100	0.10	2.0	330
DO3316-470	47.0	100	0.14	1.6	470
DO3316-680	68.0	100	0.20	1.4	680
DO3316-101	100.0	100	0.28	1.2	101

- * Tolerance (M 20% , N 30%)
- * The Inductance drop 10% typ. at Rated DC current
- * Test condition: at 100KHz/0.1V
- * Test Equipment:HP-4284 A; GOM-801G; 1310+1061
- * Operatng Temp.: -40 ~85

Specification for DO5022 Series

Part Number	Inductance (uH)	Test Frequency. (KHz)	DCR at 25 (Ω) (Max)	Rated current(A) (Max)	Marking
DO5022-1R0	1.00	100	0.009	20.0	1R0
DO5022-2R2	2.20	100	0.014	16.0	2R2
DO5022-3R3	3.30	100	0.018	14.0	3R3
DO5022-5R6	5.60	100	0.020	12.0	6R8
DO5022-100	10.0	100	0.031	10.0	100
DO5022-150	15.0	100	0.036	8.0	150
DO5022-220	22.0	100	0.047	7.0	220
DO5022-330	33.0	100	0.066	5.5	330
DO5022-470	47.0	100	0.086	4.5	470
DO5022-680	68.0	100	0.13	3.5	680
DO5022-101	100.0	100	0.19	3.0	101

- * **Tolerance (M 20% , N 30%)**
- * **The Inductance drop 10% typ. at Rated DC current**
- * **Test condition: at 100KHz/0.1V**
- * **Test Equipment:HP-4284 A; GOM-801G; 1310+1061**
- * **Operatng Temp.: -40 ~85**