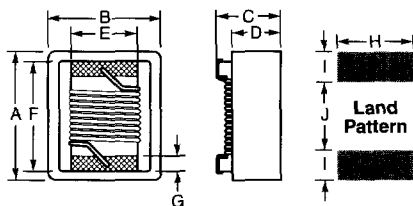


## 1008PS Shielded

Part number	Inductance (µH) ±20%	Q min @1MHz	DCR max (Ohms)	SRF typ (MHz)	Isat (A)	Irms (A)
1008PS-102MC	1.0	35	0.05	344	3.0	2.00
1008PS-152MC	1.5	35	0.06	260	2.8	2.00
1008PS-182MC	1.8	35	0.09	225	2.1	1.90
1008PS-272MC	2.7	38	0.14	185	1.3	1.60
1008PS-392MC	3.9	38	0.26	175	1.2	1.20
1008PS-472MC	4.7	38	0.35	160	1.0	1.10
1008PS-562MC	5.6	38	0.36	150	1.0	0.90
1008PS-682MC	6.8	38	0.58	120	0.84	0.80
1008PS-103MC	10	38	0.92	105	0.78	0.72
1008PS-153MC	15	38	1.15	35	0.70	0.60
1008PS-223MC	22	40	1.40	26	0.65	0.55
1008PS-333MC	33	45	1.61	20	0.51	0.50
1008PS-393MC	39	45	1.85	16	0.45	0.47
1008PS-473MC	47	45	2.5	19	0.40	0.42
1008PS-683MC	68	45	3.8	12	0.31	0.32
1008PS-823MC	82	45	4.3	9.0	0.30	0.30
1008PS-104MC	100	45	5.8	7.0	0.30	0.30
1008PS-124MC	120	50	6.3	7.0	0.25	0.28
1008PS-154MC	150	50	7.5	5.8	0.22	0.26
1008PS-224MC	220	55	10.0	10.0	0.22	0.21
1008PS-334MC	330	55	11.5	3.8	0.20	0.19
1008PS-474MC	470	55	16.3	3.1	0.16	0.18
1008PS-564MC	560	55	18.1	2.8	0.13	0.15
1008PS-684MC	680	55	24.0	2.5	0.12	0.14
1008PS-824MC	820	45	26.0	1.5	0.10	0.12
1008PS-105MC	1000	45	29.0	2.0	0.10	0.11

## 1812PS Shielded

Part number	Inductance (µH) ±20%	Q min @1MHz	DCR max (Ohms)	SRF typ (MHz)	Isat (A)	Irms (A)
1812PS-102MD	1.0	35	0.05	685	2.50	2.70
1812PS-152MD	1.5	38	0.06	460	2.00	2.60
1812PS-222MD	2.2	38	0.07	270	1.70	2.40
1812PS-272MD	2.7	40	0.08	265	1.40	2.30
1812PS-332MD	3.3	40	0.09	225	1.40	2.30
1812PS-392MD	3.9	40	0.11	170	1.20	2.20
1812PS-472MD	4.7	40	0.11	165	1.15	2.10
1812PS-562MD	5.6	40	0.12	155	1.10	2.10
1812PS-682MD	6.8	40	0.13	140	1.00	1.90
1812PS-103MD	10	40	0.17	120	0.90	1.70
1812PS-153MD	15	40	0.26	100	0.70	1.45
1812PS-223MD	22	40	0.33	45	0.54	1.20
1812PS-333MD	33	40	0.40	30	0.46	1.10
1812PS-393MD	39	48	0.56	30	0.40	1.00
1812PS-473MD	47	50	0.67	28	0.35	0.80
1812PS-683MD	68	50	1.08	17	0.32	0.67
1812PS-823MD	82	55	1.25	17	0.28	0.65
1812PS-104MD	100	60	1.32	14	0.27	0.65
1812PS-124MD	120	60	1.45	12	0.23	0.60
1812PS-154MD	150	60	2.20	11	0.20	0.51
1812PS-224MD	220	60	2.65	7	0.17	0.47
1812PS-334MD	330	60	4.85	5.5	0.15	0.31
1812PS-474MD	470	50	5.85	4.0	0.12	0.31
1812PS-564MD	560	40	6.10	2.6	0.11	0.28
1812PS-684MD	680	40	6.60	2.3	0.10	0.28
1812PS-824MD	820	30	7.35	1.8	0.09	0.25
1812PS-105MD	1000	28	10.00	1.8	0.08	0.22



### Dimensions

Series	A max	B max	C max	D ref	E	F	G	H	I	J
1008PS	0.150 3.81	0.150 3.81	0.108 2.74	0.070 1.78	0.083 2.11	0.100 2.54	0.020 0.51	0.100 2.54	0.040 1.02	0.050 1.27
1812PS	0.231 5.87	0.196 4.98	0.150 3.81	0.107 2.72	0.100 2.54	0.178 4.52	0.025 0.64	0.120 3.05	0.045 1.14	0.188 3.00

## DS1608 Shielded

Part number	Inductance (µH) ±20%	DCR max (Ohms)	SRF typ (MHz)	Isat (A)	Irms (A)
DS1608C-102	1.0	30 @ 200 kHz	0.040	250	3.0
DS1608C-152	1.5	30 @ 200 kHz	0.045	125	2.8
DS1608C-222	2.2	40 @ 200 kHz	0.050	120	1.8
DS1608C-332	3.3	40 @ 200 kHz	0.055	120	1.6
DS1608C-472	4.7	40 @ 200 kHz	0.060	105	1.4
DS1608C-682	6.8	40 @ 200 kHz	0.065	50	1.2
DS1608C-103	10	40 @ 200 kHz	0.075	38	1.0
DS1608C-153	15	40 @ 100 kHz	0.090	33	0.80
DS1608C-223	22	40 @ 100 kHz	0.11	25	0.70
DS1608C-333	33	40 @ 100 kHz	0.19	20	0.60
DS1608C-473	47	40 @ 100 kHz	0.23	20	0.50
DS1608C-683	68	40 @ 100 kHz	0.29	15	0.40
DS1608C-104	100	40 @ 100 kHz	0.48	10	0.30
DS1608C-154	150	40 @ 100 kHz	0.59	9	0.26
DS1608C-224	220	40 @ 100 kHz	0.77	6	0.22
DS1608C-334	330	40 @ 100 kHz	1.4	5	0.20
DS1608C-474	470	40 @ 100 kHz	1.8	4	0.19
DS1608C-684	680	40 @ 100 kHz	2.2	3	0.18
DS1608C-1000	1000	40 @ 100 kHz	3.4	2	0.15
DS1608C-155	1500	50 @ 100 kHz	4.2	2	0.12
DS1608C-225	2200	50 @ 100 kHz	8.5	2	0.10
DS1608C-335	3300	50 @ 100 kHz	11.0	1	0.08
DS1608C-475	4700	50 @ 100 kHz	13.9	1	0.06
DS1608C-685	6800	50 @ 100 kHz	25.0	1	0.04
DS1608C-106	10000	50 @ 100 kHz	32.8	0.8	0.02

## DT1608 Shielded

Part number	L at 0 current (µH) ±20%	L at rated current (µH)	Current rating (A)	DCR max (Ohms)	SRF typ (MHz)	Max energy storage (µJoules)	Max switching freq
DT1608C-102	1.0	0.60	2.0	0.065	180	1.8	1 MHz
DT1608C-152	1.5	0.80	1.9	0.070	120	1.8	1 MHz
DT1608C-222	2.2	0.90	1.5	0.075	100	1.8	1 MHz
DT1608C-332	3.3	1.5	1.2	0.080	70	1.4	1 MHz
DT1608C-472	4.7	1.2	2.0	0.085	60	1.6	1 MHz
DT1608C-682	6.8	3.0	1.0	0.090	50	1.9	1 MHz
DT1608C-103	10	5.0	0.7	0.125	45	1.2	1 MHz
DT1608C-153	15	6.0	0.6	0.135	35	1.1	1 MHz
DT1608C-223	22	10	0.5	0.160	25	1.2	1 MHz
DT1608C-333	33	12	0.45	0.275	20	1.5	1 MHz
DT1608C-473	47	20	0.34	0.300	17	1.3	1 MHz
DT1608C-683	68	30	0.29	0.575	14	1.4	1 MHz
DT1608C-104	100	40	0.24	1.10	12	1.5	1 MHz
DT1608C-154	150	60	0.20	1.40	7	1.4	500 kHz
DT1608C-224	220	90	0.17	2.25	7	1.6	500 kHz
DT1608C-334	330	100	0.16	2.90	6	1.4	500 kHz
DT1608C-474	470	150	0.14	3.60	4	1.5	500 kHz
DT1608C-684	680	200	0.12	4.55	3.5	1.4	500 kHz
DT1608C-105	1000	400	0.08	8.10	2.5	1.4	500 kHz

## DS3316 Shielded

Part Number	Inductance (µH) ±20%	DCR max (Ohms)	SRF typ (MHz)	Isat (A)	Irms (A)
DS3316P-102	1.0	0.021	140	5.6	5.0
DS3316P-152	1.5	0.022	120	5.2	4.5
DS3316P-222	2.2	0.032	80	5.0	3.8
DS3316P-332	3.3	0.039	70	3.9	3.3
DS3316P-472	4.7	0.054	40	3.2	2.7
DS3316P-682	6.8	0.075	38	2.8	2.2
DS3316P-103	10.0	0.101	35	2.4	2.0
DS3316P-153	15.0	0.150	25	2.0	1.5
DS3316P-223	22.0	0.207	19	1.6	1.3
DS3316P-333	33.0	0.334	15	1.4	1.1
DS3316P-473	47.0	0.472	13	1.0	0.80
DS3316P-683	68	0.660	10	0.9	0.70
DS3316P-104	100	1.11	7	0.8	0.60
DS3316P-154	150	1.55	6	0.6	0.50
DS3316P-224	220	2.00	5	0.5	0.37
DS3316P-105	1000	8.30	2	0.32	0.17

## DT3316 Shielded



Part number	L at 0 current (µH) ±20%	L at rated current (µH)	Current rating (A)	DCR max (Ohms)	SRF typ (MHz)	Max energy storage (µJoules)	Max switching freq
DT3316P-102	1.0	0.50	5.0	0.025	60	9	1 MHz
DT3316P-152	1.5	0.70	5.0	0.030	55	12	1 MHz
DT3316P-222	2.2	1.0	5.0	0.035	55	15	1 MHz
DT3316P-332	3.3	1.5	5.0	0.040	50	16	1 MHz
DT3316P-472	4.7	2.0	3.0	0.045	45	10	1 MHz
DT3316P-682	6.8	4.0	2.5	0.050	40	14	1 MHz
DT3316P-103	10	5.0	2.0	0.055	35	11	1 MHz
DT3316P-153	15	6.0	1.8	0.060	25	12	1 MHz
DT3316P-223	22	10	1.5	0.084	22	11	1 MHz
DT3316P-333	33	12	1.3	0.090	18	13	1 MHz
DT3316P-473	47	27	1.0	0.11	16	13	1 MHz
DT3316P-683	68	40	0.90	0.15	12	17	1 MHz
DT3316P-104	100	50	0.80	0.29	9	15	1 MHz
DT3316P-154	150	80	0.60	0.36	8	15	500 kHz
DT3316P-224	220	90	0.50	0.39	6	10	500 kHz
DT3316P-334	330	150	0.40	0.73	5	13	500 kHz
DT3316P-474	470	200	0.35	0.88	4	13	500 kHz
DT3316P-684	680	300	0.30	1.15	3	13	500 kHz
DT3316P-105	1000	420	0.25	1.45	2.5	13	500 kHz

## DS5022 Shielded



Part Number	Inductance (µH) ±20%	DCR max (Ohms)	SRF typ (MHz)	Isat (A)	Irms (A)
DS5022P-103	10	0.040	30	8.0	3.9
DS5022P-153	15	0.048	20	7.0	3.4
DS5022P-223	22	0.059	18	6.0	3.1
DS5022P-333	33	0.075	14	5.0	2.8
DS5022P-473	47	0.097	10	4.0	2.4
DS5022P-683	68	0.138	9	3.0	2.0
DS5022P-104	100	0.207	7	2.4	1.7
DS5022P-154	150	0.293	6	2.1	1.3
DS5022P-224	220	0.47	5	1.9	1.1
DS5022P-334	330	0.78	4	1.1	0.86
DS5022P-474	470	1.08	3	1.1	0.73
DS5022P-684	680	1.40	2.5	0.96	0.64
DS5022P-105	1000	2.01	2	0.80	0.53

## DO1608



Part number	Inductance (µH) ±20%	DCR max (Ohms)	SRF typ (MHz)	Isat (A)	Irms (A)
DO1608C-102	1.0	0.05	130	2.90	2.9
DO1608C-152	1.5	0.05	115	2.60	2.8
DO1608C-222	2.2	0.07	90	2.30	2.4
DO1608C-332	3.3	0.08	70	2.00	2.0
DO1608C-472	4.7	0.09	50	1.50	1.5
DO1608C-682	6.8	0.13	45	1.20	1.4
DO1608C-103	10	0.16	35	1.10	1.1
DO1608C-153	15	0.23	30	0.90	1.2
DO1608C-223	22	0.37	20	0.70	0.8
DO1608C-333	33	0.51	15	0.58	0.6
DO1608C-473	47	0.64	14	0.50	0.5
DO1608C-683	68	0.86	11	0.40	0.4
DO1608C-104	100	1.27	9	0.31	0.3
DO1608C-154	150	2.00	6	0.27	0.25
DO1608C-224	220	3.11	5.5	0.22	0.2
DO1608C-334	330	3.80	5	0.18	0.16
DO1608C-474	470	5.06	4	0.16	0.15
DO1608C-684	680	9.20	3	0.14	0.12
DO1608C-105	1000	13.8	2	0.10	0.07

## DO3308 Low Profile



Part number	Inductance (µH) ±20%	DCR max (Ohms)	SRF typ (MHz)	Isat (A)	Irms (A)
DO3308P-103	10	0.11	35	2.4	2.0
DO3308P-153	15	0.15	33	2.0	1.5
DO3308P-223	22	0.23	25	1.6	1.3
DO3308P-333	33	0.30	19	1.4	1.1
DO3308P-473	47	0.39	14	1.0	0.8
DO3308P-683	68	0.66	12	0.9	0.7
DO3308P-104	100	0.84	10	0.7	0.6
DO3308P-154	150	1.2	8	0.6	0.5
DO3308P-224	220	1.9	6	0.5	0.4
DO3308P-334	330	2.7	5	0.4	0.3
DO3308P-474	470	4.0	4	0.3	0.2
DO3308P-684	680	5.3	3	0.2	0.1
DO3308P-105	1000	8.4	2.5	0.1	0.05

## DO3316



Part number	Inductance (µH) ±20%	DCR max (Ohms)	SRF typ (MHz)	Isat (A)	Irms (A)
DO3316P-102	1.0	0.009	100	9.0	6.8
DO3316P-152	1.5	0.010	90	8.0	6.4
DO3316P-222	2.2	0.012	80	7.0	6.1
DO3316P-332	3.3	0.015	65	6.4	5.4
DO3316P-472	4.7	0.018	45	5.4	4.8
DO3316P-682	6.8	0.027	38	4.6	4.4
DO3316P-103	10	0.038	30	3.8	3.9
DO3316P-153	15	0.046	27	3.0	3.1
DO3316P-223	22	0.065	19	2.6	2.7
DO3316P-333	33	0.10	15	2.0	2.1
DO3316P-473	47	0.14	12	1.6	1.8
DO3316P-683	68	0.20	10	1.4	1.5
DO3316P-104	100	0.28	9	1.2	1.3
DO3316P-154	150	0.40	6	1.0	1.0
DO3316P-224	220	0.61	5	0.8	0.8
DO3316P-334	330	1.02	4.5	0.6	0.6
DO3316P-474	470	1.27	3.5	0.5	0.5
DO3316P-684	680	2.02	2.5	0.4	0.4
DO3316P-105	1000	3.00	2.0	0.3	0.3

## DO5022



Part number	Inductance (µH) ±20%	DCR max (Ohms)	SRF typ (MHz)	Isat (A)	Irms (A)
DO5022P-102	1.0	0.009	80	20	8.6
DO5022P-222	2.2	0.014	80	16	7.1
DO5022P-332	3.3	0.018	60	14	6.2
DO5022P-562	5.6	0.020	40	12	5.3
DO5022P-103	10	0.031	30	10	4.3
DO5022P-153	15	0.036	22	8.0	4.0
DO5022P-223	22	0.047	20	7.0	3.5
DO5022P-333	33	0.066	15	5.5	3.0
DO5022P-473	47	0.086	9	4.5	2.6
DO5022P-683	68	0.13	8	3.5	2.3
DO5022P-104	100	0.19	7	3.0	1.8
DO5022P-154	150	0.25	6	2.6	1.5
DO5022P-224	220	0.38	5	2.4	1.2
DO5022P-334	330	0.56	4	1.9	1.0
DO5022P-474	470	0.85	3	1.4	0.82
DO5022P-684	680	1.1	2.5	1.2	0.72
DO5022P-105	1000	1.8	2	1.0	0.56

## DO5010HC



**NEW!**

Part number	Inductance (µH) ±20%	DCR max (mOhms)	SRF typ (MHz)	Isat (A)	Irms (A)
DO5010P-781HC	0.78	2.6	156	30	15
DO5010P-152HC	1.5	4.0	100	25	15
DO5010P-222HC	2.2	6.1	75	20	12.0
DO5010P-332HC	3.3	8.6	60	17	10.0
DO5010P-392HC	3.9	10	55	15	9.0
DO5010P-472HC	4.7	14	40	13	8.4
DO5010P-602HC	6.0	17	35	12	7.5
DO5010P-782HC	7.8	18	35	11	7.5
DO5010P-103HC	10.0	26	28	10	6.0
DO5010P-123HC	12.0	28	26	8.5	5.2
DO5010P-153HC	15.0	32	20	8	4.4
DO5010P-223HC	22	47	20	7.0	3.5
DO5010P-333HC	33	66	15	5.5	3.0
DO5010P-473HC	47	86	9	4.5	2.6
DO5010P-683HC	68	130	8	3.5	2.3
DO5010P-104HC	100	190	7	3.0	1.8
DO5010P-154HC	150	250	6	2.6	1.5
DO5010P-224HC	220	380	5	2.4	1.2
DO5010P-334HC	330	560	4	1.9	1.0
DO5010P-474HC	470	850	3	1.4	0.82
DO5010P-684HC	680	1100	2.5	1.2	0.72
DO5010P-105HC	1000	1800	2	1.0	0.56

## DO1813HC High Current



Part number	Inductance (µH) ref	Inductance (µH) ±20%	DCR max (Ohms)	SRF typ (MHz)	Isat (A)	Irms (A)
DO1813P-181HC	0.18	0.18	0.003	800	14.0	10.0
DO1813P-331HC	0.33	0.33	0.004	800	10.0	7.0
DO1813P-561HC	0.56	0.56	0.010	200	7.7	6.0
DO1813P-122HC	1.2	1.15	0.017	140	5.3	4.4
DO1813P-222HC	2.2	2.06	0.035	100	3.5	3.1
DO1813P-332HC	3.3	3.20	0.040	80	3.0	2.7
DO1813P-472HC	4.7	4.70	0.054	50	2.6	2.2
DO1813P-682HC	6.8	6.80	0.080	45	2.2	1.8
DO1813P-103HC	10	9.55	0.110	40	1.9	1.5
DO1813P-153HC	15	15.3	.17	30	1.5	1.2
DO1813P-223HC	22	22.6	.25	25	1.2	1.0
DO1813P-333HC	33	32.5	.35	20	0.99	0.82
DO1813P-473HC	47	48.1	.47	15	0.87	0.72

## DO3316HC High Current



Part number	Inductance (µH) ±20%	DCR max (Ohms)	SRF typ (MHz)	Isat (A)	Irms (A)
DO3316P-331HC	0.33	0.002	300	20.0	16.0
DO3316P-681HC	0.68	0.005	200	13.0	12.0
DO3316P-102HC	1.0	0.006	100	11.0	10.0
DO3316P-152HC	1.5	0.008	90	9.0	9.0
DO3316P-222HC	2.2	0.011	90	7.8	7.4
DO3316P-272HC	2.7	0.012	65	7.0	6.6
DO3316P-332HC	3.3	0.014	65	6.4	5.9
DO3316P-472HC	4.7	0.018	45	5.4	4.8

## DO3340 High Current



Part number	Inductance (µH) ±20%	DCR max (Ohms)	SRF typ (MHz)	Isat (A)	Irms (A)
DO3340P-103	10	0.040	22	8.0	3.5
DO3340P-153	15	0.050	18	7.0	3.0
DO3340P-223	22	0.066	11	5.5	2.5
DO3340P-333	33	0.080	9	4.0	2.0
DO3340P-473	47	0.11	8	3.8	1.6
DO3340P-683	68	0.17	7	3.0	1.2
DO3340P-104	100	0.22	5	2.5	1.2
DO3340P-154	150	0.34	4	2.0	0.9
DO3340P-224	220	0.44	3.5	1.6	0.7
DO3340P-334	330	0.70	2.5	1.2	0.6
DO3340P-474	470	0.95	2	1.0	0.3
DO3340P-684	680	1.2	2	1.0	0.2
DO3340P-105	1000	2.0	1.5	0.8	0.1

## DO1607BL Backlight

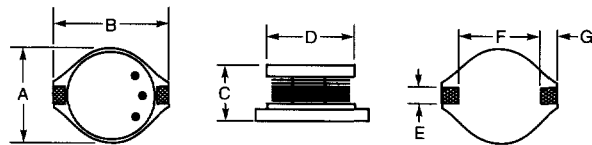


Part number	Inductance (mH) ±20%	DCR max (Ohms)	Insulation core-winding (MOhms)	Isat (mA)	Irms (mA)
DO1607BL-105	1.0	19	>10	100	150
DO1607BL-155	1.5	21	>10	75	140
DO1607BL-225	2.2	42	>10	60	100
DO1607BL-335	3.3	52	>10	50	90
DO1607BL-475	4.7	80	>10	45	75
DO1607BL-685	6.8	125	>10	40	60

## DS1608BL Backlight



Part number	Inductance (mH) ±20%	DCR max (Ohms)	Insulation core-winding (MOhms)	SRF typ (MHz)	Irms (mA)
DS1608BL-104	0.1	0.95	>10	12	220
DS1608BL-154	0.15	1.4	>10	10	200
DS1608BL-224	0.22	1.7	>10	8	180
DS1608BL-334	0.33	2.2	>10	6	160
DS1608BL-474	0.47	3.8	>10	5	140
DS1608BL-684	0.68	4.9	>10	4	120
DS1608BL-105	1.0	9	>10	2	100
DS1608BL-155	1.5	11	>10	1	80
DS1608BL-225	2.2	19	>10	1	50
DS1608BL-335	3.3	24	>10	1	40
DS1608BL-475	4.7	30	>10	1	30
DS1608BL-685	6.8	56	>10	0.9	20
DS1608BL-106	10	74	>10	0.8	10



### Dimensions

Series	A max	B max	C	D dia	E	F	G
DS/DT1608/BL	0.175 4.45	0.260 6.60	0.115 2.92	0.160 4.06	0.050 1.27	0.170 4.32	0.040 1.02
DS/DT3316	0.370 9.40	0.510 12.95	0.200 5.08	0.330 8.38	0.100 2.54	0.300 7.62	0.100 2.54
DS5022	0.600 15.24	0.730 18.54	0.300 7.62	0.500 12.70	0.100 2.54	0.500 12.70	0.100 2.54
DO1608	0.175 4.45	0.260 6.60	0.115 2.92	0.155 3.94	0.050 1.27	0.170 4.32	0.040 1.02
DO3308	0.370 9.40	0.510 12.95	0.118 3.00	0.330 8.38	0.100 2.54	0.300 7.62	0.100 2.54
DO3316	0.370 9.40	0.510 12.95	0.205 5.21	0.330 8.38	0.100 2.54	0.300 7.62	0.100 2.54
DO5022	0.600 15.24	0.730 18.54	0.280 7.11	0.500 12.70	0.100 2.54	0.500 12.70	0.100 2.54
DO1813HC	0.240 6.10	0.350 8.89	0.197 5.00	0.180 4.60	0.160 4.06	0.230 5.84	0.075 1.91
DO3316HC	0.390 9.91	0.510 12.95	0.250 6.35	0.330 8.38	0.160 4.06	0.400 10.16	0.060 1.52
DO3340	0.370 9.40	0.510 12.95	0.450 11.43	0.330 8.38	0.100 2.54	0.300 7.62	0.100 2.54
DO5010HC	0.600 15.24	0.730 18.54	0.315 8.00	0.500 12.70	0.200 5.08	0.580 14.73	
DO1607BL	0.175 4.45	0.260 6.60	0.098 2.49	0.155 3.94	0.050 1.27	0.170 4.32	0.040 1.02