

Choke Coil



STANDARD ELECTRICAL SPECIFICATIONS

Inductance (μH) at 1 kHz, 1 V	Tolerance	DCR Max (Ohms)	Irms (A)	Isat (A)
3.9	± 15 %	0.007	4.00	8.20
4.7	± 15 %	0.008	4.00	7.50
5.6	± 15 %	0.011	4.00	6.90
6.8	± 15 %	0.011	4.00	6.30
8.2	± 15 %	0.013	4.00	5.70
10	± 15 %	0.016	4.00	5.20
12	± 15 %	0.018	4.00	4.70
15	± 15 %	0.020	4.00	4.30
18	± 15 %	0.022	4.00	3.90
22	± 15 %	0.024	4.00	3.50
27	± 15 %	0.025	4.00	3.20
33	± 15 %	0.028	4.00	2.90
39	± 15 %	0.031	4.00	2.70
47	± 15 %	0.034	4.00	2.50
56	± 15 %	0.043	3.20	2.30
68	± 15 %	0.059	2.50	2.10
82	± 15 %	0.066	2.00	1.90
100	± 15 %	0.084	1.60	1.70
120	± 15 %	0.113	1.60	1.60
150	± 15 %	0.129	1.60	1.40
180	± 15 %	0.150	1.60	1.30
220	± 15 %	0.162	1.60	1.20
270	± 15 %	0.226	1.60	1.10
330	± 15 %	0.257	1.60	0.95
390	± 15 %	0.288	1.60	0.88
470	± 15 %	0.393	1.20	0.80
560	± 15 %	0.504	1.00	0.74
680	± 15 %	0.570	1.00	0.67
820	± 15 %	0.643	0.80	0.61
1000	± 15 %	0.844	0.80	0.56
1200	± 15 %	0.977	0.60	0.51
1500	± 15 %	1.18	0.60	0.46
1800	± 15 %	1.50	0.60	0.42
2200	± 15 %	1.76	0.50	0.38
2700	± 15 %	2.13	0.40	0.34
3300	± 15 %	2.53	0.40	0.31
3900	± 15 %	2.84	0.40	0.29
4700	± 15 %	3.79	0.40	0.26
5600	± 15 %	4.24	0.32	0.24
6800	± 15 %	5.75	0.25	0.22
8200	± 15 %	6.44	0.25	0.20
10000	± 15 %	7.30	0.25	0.18
12000	± 15 %	9.34	0.20	0.17
15000	± 15 %	10.7	0.20	0.15
18000	± 15 %	14.8	0.16	0.14
22000	± 15 %	18.0	0.13	0.12
27000	± 15 %	22.7	0.13	0.11
33000	± 15 %	25.7	0.13	0.10
39000	± 15 %	29.7	0.10	0.09
47000	± 15 %	33.7	0.10	0.09
56000	± 15 %	38.0	0.10	0.08
68000	± 15 %	52.8	0.08	0.07
82000	± 15 %	67.3	0.07	0.07
100000	± 15 %	76.0	0.07	0.06

FEATURES

- Printed circuit mounting (axial leads)
- Protected by polyolefin tubing
- High saturation bobbin used allowing high inductance with low DC resistance
- Pre-tinned leads
- High resistivity core offers very high parallel resistance, resulting in maximum coil performance



RoHS COMPLIANT

ELECTRICAL SPECIFICATIONS

Inductance Range: 3.9 μH to 100000 μH

Inductance Tolerance: ± 15 %

Incremental Current: The typical current at which the inductance will be decreased by 5 % from its initial zero DC value

Temperature Rise: 40 °C Max at Irms

Storage Temperature: - 55 °C to + 125 °C

Operating Temperature: - 55 °C to + 85 °C

MECHANICAL SPECIFICATIONS

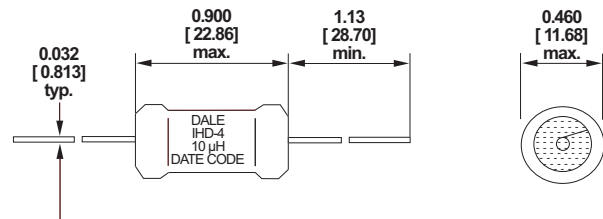
Wire: Enamelled copper wire 2-UFW

Core: DRWW ferrite core

Lead: Tinned copper wire

Tube: Shrinkable tube

Varnish: #8562/C



DESCRIPTION				
IHD-4	100 μH	15 %	ER	e3
MODEL	INDUCTANCE VALUE	TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER				
I	H	D	4	E R 1 0 1 L
PRODUCT FAMILY			PACKAGE CODE	INDUCTANCE VALUE
				INDUCTANCE TOLERANCE



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