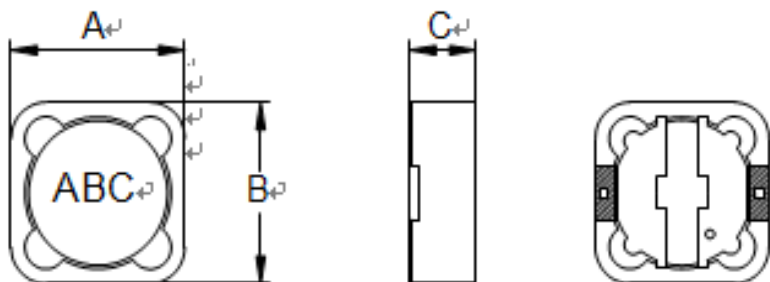




Shielded Power Inductors - (CDRH)

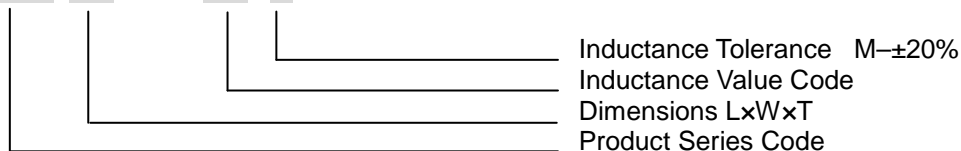
■ Dimensions and Construction



Series	A max	B max	C max
CDRH62	6.8	7.0	3.0
CDRH64	6.8	7.0	5.0
CDRH73	7.8	7.8	4.0
CDRH74	7.8	7.8	5.0
CDRH104	10.5	10.5	5.0
CDRH124	12.5	12.5	5.0
CDRH125	12.5	12.5	6.0
CDRH127	12.5	12.5	8.0

■ Part Numbering System

CDRH 127 - 100 M



■ Electrical Characteristics

- * The maximum rated current is a DC current which causes initial inductance to decrease by 25% or temperature to rise by 40°C, whichever is smaller (at ambient reference temperature: 20 °C).
- * Operating Temperature: -30°C to +100°C.



■CDRH62 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω)max	IDC (A)max
CDRH62-3R3M	3.3±20%	100K/0.3V	0.068	1.94
CDRH62-4R7M	4.7±20%	100K/0.3V	0.080	1.63
CDRH62-5R6M	5.6±20%	100K/0.3V	0.096	1.40
CDRH62-100M	10±20%	1K/0.3V	0.015	1.10
CDRH62-120M	12±20%	1K/0.3V	0.20	1.00
CDRH62-150M	15±20%	1K/0.3V	0.23	0.90
CDRH62-180M	18±20%	1K/0.3V	0.27	0.80
CDRH62-220M	22±20%	1K/0.3V	0.34	0.74
CDRH62-270M	27±20%	1K/0.3V	0.38	0.66
CDRH62-330M	33±20%	1K/0.3V	0.45	0.59
CDRH62-390M	39±20%	1K/0.3V	0.49	0.54
CDRH62-470M	47±20%	1K/0.3V	0.69	0.50
CDRH62-560M	56±20%	1K/0.3V	0.78	0.46
CDRH62-680M	68±20%	1K/0.3V	1.07	0.42
CDRH62-820M	82±20%	1K/0.3V	1.21	0.38
CDRH62-101M	100±20%	1K/0.3V	1.39	0.34
CDRH62-121M	120±20%	1K/0.3V	1.90	0.31
CDRH62-151M	150±20%	1K/0.3V	2.18	0.28
CDRH62-181M	180±20%	1K/0.3V	2.77	0.26
CDRH62-221M	220±20%	1K/0.3V	3.12	0.23
CDRH62-271M	270±20%	1K/0.3V	4.38	0.22
CDRH62-331M	330±20%	1K/0.3V	4.94	0.19



■CDRH64 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω)max	IDC (A)max
CDRH64-100M	10 \pm 20%	1K/0.3V	0.12	1.35
CDRH64-120M	12 \pm 20%	1K/0.3V	0.13	1.20
CDRH64-150M	15 \pm 20%	1K/0.3V	0.18	1.10
CDRH64-180M	18 \pm 20%	1K/0.3V	0.24	1.00
CDRH64-220M	22 \pm 20%	1K/0.3V	0.27	0.91
CDRH64-270M	27 \pm 20%	1K/0.3V	0.30	0.82
CDRH64-330M	33 \pm 20%	1K/0.3V	0.33	0.75
CDRH64-390M	39 \pm 20%	1K/0.3V	0.37	0.69
CDRH64-470M	47 \pm 20%	1K/0.3V	0.52	0.62
CDRH64-560M	56 \pm 20%	1K/0.3V	0.56	0.58
CDRH64-680M	68 \pm 20%	1K/0.3V	0.63	0.52
CDRH64-820M	82 \pm 20%	1K/0.3V	0.71	0.47
CDRH64-101M	100 \pm 20%	1K/0.3V	1.03	0.43
CDRH64-121M	120 \pm 20%	1K/0.3V	1.15	0.39
CDRH64-151M	150 \pm 20%	1K/0.3V	1.68	0.35
CDRH64-181M	180 \pm 20%	1K/0.3V	1.87	0.32
CDRH64-221M	220 \pm 20%	1K/0.3V	2.08	0.29
CDRH64-271M	270 \pm 20%	1K/0.3V	2.37	0.26
CDRH64-331M	330 \pm 20%	1K/0.3V	2.67	0.25
CDRH64-391M	390 \pm 20%	1K/0.3V	2.94	0.22
CDRH64-471M	470 \pm 20%	1K/0.3V	3.93	0.20
CDRH64-561M	560 \pm 20%	1K/0.3V	5.43	0.18
CDRH64-681M	680 \pm 20%	1K/0.3V	7.32	0.17
CDRH64-821M	820 \pm 20%	1K/0.3V	8.24	0.15
CDRH64-102M	1000 \pm 20%	1K/0.3V	9.26	0.14

■CDRH73 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω)max	IDC (A)max
CDRH73-100M	10±20%	1K/0.3V	0.072	1.68
CDRH73-120M	12±20%	1K/0.3V	0.098	1.52
CDRH73-150M	15±20%	1K/0.3V	0.13	1.33
CDRH73-180M	18±20%	1K/0.3V	0.14	1.20
CDRH73-220M	22±20%	1K/0.3V	0.19	1.07
CDRH73-270M	27±20%	1K/0.3V	0.21	0.96
CDRH73-330M	33±20%	1K/0.3V	0.24	0.91
CDRH73-390M	39±20%	1K/0.3V	0.32	0.77
CDRH73-470M	47±20%	1K/0.3V	0.36	0.76
CDRH73-560M	56±20%	1K/0.3V	0.47	0.68
CDRH73-680M	68±20%	1K/0.3V	0.52	0.61
CDRH73-820M	82±20%	1K/0.3V	0.69	0.57
CDRH73-101M	100±20%	1K/0.3V	0.79	0.50
CDRH73-121M	120±20%	1K/0.3V	0.89	0.49
CDRH73-151M	150±20%	1K/0.3V	1.27	0.43
CDRH73-181M	180±20%	1K/0.3V	1.45	0.39
CDRH73-221M	220±20%	1K/0.3V	1.65	0.35
CDRH73-271M	270±20%	1K/0.3V	2.31	0.32
CDRH73-331M	330±20%	1K/0.3V	2.62	0.28
CDRH73-391M	390±20%	1K/0.3V	2.94	0.26
CDRH73-471M	470±20%	1K/0.3V	4.18	0.24
CDRH73-561M	560±20%	1K/0.3V	4.67	0.22
CDRH73-681M	680±20%	1K/0.3V	5.73	0.19
CDRH73-821M	820±20%	1K/0.3V	6.54	0.18
CDRH73-102M	1000±20%	1K/0.3V	9.44	0.16

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■CDRH74 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω)max	IDC (A)max
CDRH74-100M	10±20%	1K/0.3V	0.049	1.84
CDRH74-120M	12±20%	1K/0.3V	0.058	1.71
CDRH74-150M	15±20%	1K/0.3V	0.081	1.47
CDRH74-180M	18±20%	1K/0.3V	0.091	1.31
CDRH74-220M	22±20%	1K/0.3V	0.11	1.23
CDRH74-270M	27±20%	1K/0.3V	0.15	1.12
CDRH74-330M	33±20%	1K/0.3V	0.17	0.96
CDRH74-390M	39±20%	1K/0.3V	0.23	0.91
CDRH74-470M	47±20%	1K/0.3V	0.26	0.88
CDRH74-560M	56±20%	1K/0.3V	0.35	0.75
CDRH74-680M	68±20%	1K/0.3V	0.38	0.69
CDRH74-820M	82±20%	1K/0.3V	0.43	0.61
CDRH74-101M	100±20%	1K/0.3V	0.61	0.60
CDRH74-121M	120±20%	1K/0.3V	0.66	0.52
CDRH74-151M	150±20%	1K/0.3V	0.88	0.46
CDRH74-181M	180±20%	1K/0.3V	0.98	0.42
CDRH74-221M	220±20%	1K/0.3V	1.17	0.36
CDRH74-271M	270±20%	1K/0.3V	1.64	0.34
CDRH74-331M	330±20%	1K/0.3V	1.86	0.32
CDRH74-391M	390±20%	1K/0.3V	2.85	0.29
CDRH74-471M	470±20%	1K/0.3V	3.01	0.26
CDRH74-561M	560±20%	1K/0.3V	3.62	0.23
CDRH74-681M	680±20%	1K/0.3V	4.63	0.22
CDRH74-821M	820±20%	1K/0.3V	5.2	0.20
CDRH74-102M	1000±20%	1K/0.3V	6.0	0.18

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■CDRH104 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω)max	IDC (A)max
CDRH104 -4R7M	4.7±20%	100K/0.3V	0.035	3.2
CDRH104 -6R8M	6.8±20%	100K/0.3V	0.044	2.8
CDRH104 -100M	10±20%	1K/0.3V	0.050	2.4
CDRH104 -120M	12±20%	1K/0.3V	0.054	2.3
CDRH104 -150M	15±20%	1K/0.3V	0.061	2.0
CDRH104 -180M	18±20%	1K/0.3V	0.084	1.8
CDRH104 -220M	22±20%	1K/0.3V	0.094	1.65
CDRH104 -270M	27±20%	1K/0.3V	0.11	1.45
CDRH104 -330M	33±20%	1K/0.3V	0.15	1.35
CDRH104 -390M	39±20%	1K/0.3V	0.17	1.20
CDRH104 -470M	47±20%	1K/0.3V	0.21	1.10
CDRH104 -560M	56±20%	1K/0.3V	0.23	1.00
CDRH104 -680M	68±20%	1K/0.3V	0.26	0.93
CDRH104 -820M	82±20%	1K/0.3V	0.36	0.84
CDRH104 -101M	100±20%	1K/0.3V	0.41	0.76
CDRH104 -151M	150±20%	1K/0.3V	0.64	0.63
CDRH104 -181M	180±20%	1K/0.3V	0.84	0.57
CDRH104 -221M	220±20%	1K/0.3V	0.96	0.52
CDRH104 -271M	270±20%	1K/0.3V	1.07	0.47
CDRH104 -331M	330±20%	1K/0.3V	1.37	0.43
CDRH104 -391M	390±20%	1K/0.3V	1.55	0.39
CDRH104 -471M	470±20%	1K/0.3V	1.74	0.36

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■CDRH124 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω)max	IDC (A)max
CDRH124-1R0M	1.0±20%	100K/0.3V	0.010	8.0
CDRH124-2R2M	2.2±20%	100K/0.3V	0.014	4.9
CDRH124-3R3M	3.3±20%	100K/0.3V	0.015	4.5
CDRH124-4R7M	4.7±20%	100K/0.3V	0.018	5.7
CDRH124-5R6M	5.6±20%	100K/0.3V	0.020	5.2
CDRH124-6R8M	6.8±20%	100K/0.3V	0.023	4.9
CDRH124-8R2M	8.2±20%	100K/0.3V	0.026	4.6
CDRH124-100M	10±20%	1K/0.3V	0.028	4.5
CDRH124-120M	12±20%	1K/0.3V	0.038	4.0
CDRH124-150M	15±20%	1K/0.3V	0.050	3.2
CDRH124-180M	18±20%	1K/0.3V	0.057	3.1
CDRH124-220M	22±20%	1K/0.3V	0.066	2.9
CDRH124-270M	27±20%	1K/0.3V	0.080	2.8
CDRH124-330M	33±20%	1K/0.3V	0.097	2.7
CDRH124-390M	39±20%	1K/0.3V	0.132	2.1
CDRH124-470M	47±20%	1K/0.3V	0.16	1.9
CDRH124-560M	56±20%	1K/0.3V	0.19	1.8
CDRH124-680M	68±20%	1K/0.3V	0.22	1.5
CDRH124-820M	82±20%	1K/0.3V	0.26	1.3
CDRH124-101M	100±20%	1K/0.3V	0.31	1.2
CDRH124-121M	120±20%	1K/0.3V	0.38	1.1
CDRH124-151M	150±20%	1K/0.3V	0.53	0.95
CDRH124-181M	180±20%	1K/0.3V	0.62	0.85
CDRH124-221M	220±20%	1K/0.3V	0.70	0.80
CDRH124-271M	270±20%	1K/0.3V	0.87	0.60
CDRH124-331M	330±20%	1K/0.3V	0.99	0.50

■CDRH125 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω)max	IDC (A)max
CDRH125-1R0M	1.0±20%	100K/0.3V	0.010	8.0
CDRH125-2R2M	2.2±20%	100K/0.3V	0.014	7.0
CDRH125-3R3M	3.3±20%	100K/0.3V	0.017	6.0
CDRH125-8R2M	8.2±20%	100K/0.3V	0.021	4.4
CDRH125-100M	10±20%	1K/0.3V	0.025	4.0
CDRH125-120M	12±20%	1K/0.3V	0.027	3.5
CDRH125-150M	15±20%	1K/0.3V	0.030	3.3
CDRH125-180M	18±20%	1K/0.3V	0.034	3.0
CDRH125-220M	22±20%	1K/0.3V	0.036	2.8
CDRH125-270M	27±20%	1K/0.3V	0.051	2.3
CDRH125-330M	33±20%	1K/0.3V	0.057	2.1
CDRH125-390M	39±20%	1K/0.3V	0.068	2.0
CDRH125-470M	47±20%	1K/0.3V	0.075	1.8
CDRH125-560M	56±20%	1K/0.3V	0.11	1.7
CDRH125-680M	68±20%	1K/0.3V	0.12	1.5
CDRH125-820M	82±20%	1K/0.3V	0.14	1.4
CDRH125-101M	100±20%	1K/0.3V	0.16	1.3
CDRH125-121M	120±20%	1K/0.3V	0.17	1.1
CDRH125-151M	150±20%	1K/0.3V	0.23	1.0
CDRH125-181M	180±20%	1K/0.3V	0.29	0.9
CDRH125-221M	220±20%	1K/0.3V	0.40	0.8
CDRH125-271M	270±20%	1K/0.3V	0.46	0.75
CDRH125-331M	330±20%	1K/0.3V	0.51	0.68
CDRH125-391M	390±20%	1K/0.3V	0.69	0.65
CDRH125-471M	470±20%	1K/0.3V	0.77	0.58
CDRH125-561M	560±20%	1K/0.3V	0.86	0.54
CDRH125-681M	680±20%	1K/0.3V	1.20	0.48

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■CDRH127 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω)max	IDC (A)max
CDRH127-1R0M	1.0 \pm 20%	100K/0.3V	0.006	12.0
CDRH127-2R2M	2.2 \pm 20%	100K/0.3V	0.0115	8.0
CDRH127-3R3M	3.3 \pm 20%	100K/0.3V	0.0130	7.5
CDRH127-4R7M	4.7 \pm 20%	100K/0.3V	0.0158	6.8
CDRH127-6R8M	6.8 \pm 20%	100K/0.3V	0.0190	6.6
CDRH127-8R2M	8.2 \pm 20%	100K/0.3V	0.0200	5.6
CDRH127-100M	10 \pm 20%	1K/0.3V	0.0216	5.4
CDRH127-120M	12 \pm 20%	1K/0.3V	0.0243	4.9
CDRH127-150M	15 \pm 20%	1K/0.3V	0.0270	4.5
CDRH127-180M	18 \pm 20%	1K/0.3V	0.0392	3.9
CDRH127-220M	22 \pm 20%	1K/0.3V	0.0432	3.6
CDRH127-270M	27 \pm 20%	1K/0.3V	0.0459	3.4
CDRH127-330M	33 \pm 20%	1K/0.3V	0.0648	3.0
CDRH127-390M	39 \pm 20%	1K/0.3V	0.0729	2.75
CDRH127-470M	47 \pm 20%	1K/0.3V	0.10	2.50
CDRH127-560M	56 \pm 20%	1K/0.3V	0.11	2.35
CDRH127-680M	68 \pm 20%	1K/0.3V	0.14	2.10
CDRH127-820M	82 \pm 20%	1K/0.3V	0.16	1.95
CDRH127-101M	100 \pm 20%	1K/0.3V	0.22	1.70
CDRH127-121M	120 \pm 20%	1K/0.3V	0.25	1.60
CDRH127-151M	150 \pm 20%	1K/0.3V	0.28	1.42
CDRH127-181M	180 \pm 20%	1K/0.3V	0.35	1.30
CDRH127-221M	220 \pm 20%	1K/0.3V	0.39	1.16
CDRH127-271M	270 \pm 20%	1K/0.3V	0.56	1.06
CDRH127-331M	330 \pm 20%	1K/0.3V	0.64	0.95
CDRH127-391M	390 \pm 20%	1K/0.3V	0.70	0.88
CDRH127-471M	470 \pm 20%	1K/0.3V	0.98	0.79
CDRH127-561M	560 \pm 20%	1K/0.3V	1.07	0.73
CDRH127-681M	680 \pm 20%	1K/0.3V	1.46	0.67
CDRH127-821M	820 \pm 20%	1K/0.3V	1.64	0.60
CDRH127-102M	1000 \pm 20%	1K/0.3V	1.82	0.55