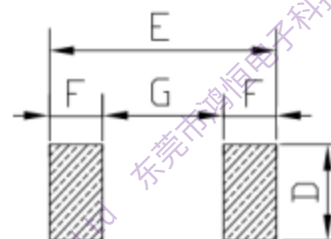
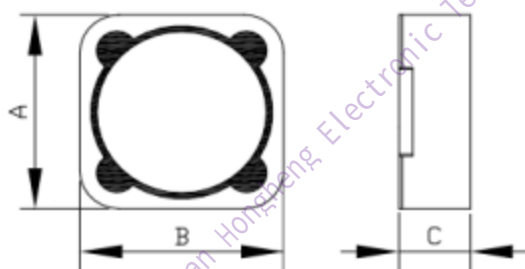


Features:

- A wide range of product line up is available to meet the various requirements.
- For DC/DC converter applications.
- Ideally used in thin-screen TV, LCDs, AV equipment and other electronic devices.
- Custom design is also available.
- RoHS compliant.

Appearance dimensions (mm, dimensions without tolerance are typical):

Recommended Land Patterns



Type	A	B	C	D	E	F	G	MPQ(pcs)
CDRH104	10.5 Max.	10.5 Max.	4.8 Max.	4.0	10.6	2.3	6.0	1000
CDRH124	12.5 Max.	12.5 Max.	4.5 Max.	5.4	12.6	2.8	7.0	500
CDRH125	12.5 Max.	12.5 Max.	6.0 Max.	5.4	12.8	2.9	7.0	500
CDRH127	12.5 Max.	12.5 Max.	8.0 Max.	5.4	12.8	2.9	7.0	500
CDRH129	12.5 Max.	12.5 Max.	10.0 Max.	5.4	12.8	2.9	7.0	500

CDRH104 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
CDRH104-4R7M	4.70	20%	35.00	3.200	4.000	4.600	5.800
CDRH104-6R8M	6.80	20%	44.00	2.800	3.500	4.000	5.000
CDRH104-100M	10.0	20%	50.00	2.400	3.000	3.500	4.400
CDRH104-120M	12.0	20%	54.00	2.250	2.813	3.200	4.000
CDRH104-150M	15.0	20%	61.00	2.000	2.500	2.900	3.600
CDRH104-180M	18.0	20%	84.00	1.800	2.250	2.600	3.300
CDRH104-220M	22.0	20%	95.00	1.650	2.063	2.400	3.000
CDRH104-270M	27.0	20%	110.0	1.450	1.813	2.100	2.600
CDRH104-330M	33.0	20%	150.0	1.350	1.688	1.900	2.400
CDRH104-390M	39.0	20%	170.0	1.210	1.513	1.700	2.100
CDRH104-470M	47.0	20%	210.0	1.100	1.375	1.600	2.000
CDRH104-560M	56.0	20%	230.0	1.000	1.250	1.400	1.800
CDRH104-680M	68.0	20%	260.0	0.930	1.163	1.300	1.600
CDRH104-820M	82.0	20%	360.0	0.840	1.050	1.200	1.500

CDRH104 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
CDRH104-101M	100.0	20%	410.0	0.760	0.950	1.100	1.400
CDRH104-121M	120.0	20%	451.0	0.700	0.875	1.000	1.300
CDRH104-151M	150.0	20%	640.0	0.630	0.788	0.900	1.100
CDRH104-181M	180.0	20%	840.0	0.580	0.725	0.800	1.000
CDRH104-221M	220.0	20%	960.0	0.520	0.650	0.700	0.900
CDRH104-271M	270.0	20%	1070	0.470	0.588	0.700	0.900
CDRH104-331M	330.0	20%	1370	0.430	0.538	0.600	0.800
CDRH104-391M	390.0	20%	1550	0.390	0.488	0.600	0.800
CDRH104-471M	470.0	20%	1740	0.360	0.450	0.500	0.600

CDRH124 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
CDRH124-3R9M	3.90	20%	15.00	6.500	8.125	9.300	11.600
CDRH124-4R7M	4.70	20%	18.00	5.700	7.125	8.200	10.300
CDRH124-6R8M	6.80	20%	25.00	4.900	6.125	7.000	8.800
CDRH124-8R2M	8.20	20%	25.00	4.600	5.750	6.600	8.300
CDRH124-100M	10.0	20%	32.00	4.500	5.625	6.500	8.100
CDRH124-120M	12.0	20%	38.00	4.000	5.000	5.800	7.300
CDRH124-150M	15.0	20%	50.00	3.200	4.000	4.600	5.800
CDRH124-180M	18.0	20%	57.00	3.110	3.888	4.500	5.600
CDRH124-220M	22.0	20%	66.00	2.900	3.625	4.200	5.300
CDRH124-270M	27.0	20%	80.00	2.800	3.500	4.000	5.000
CDRH124-330M	33.0	20%	97.00	2.700	3.375	3.900	4.900
CDRH124-390M	39.0	20%	132.0	2.100	2.625	3.000	3.800
CDRH124-470M	47.0	20%	150.0	1.900	2.375	2.700	3.400
CDRH124-560M	56.0	20%	190.0	1.800	2.250	2.600	3.300
CDRH124-680M	68.0	20%	220.0	1.500	1.875	2.200	2.800
CDRH124-820M	82.0	20%	260.0	1.300	1.625	1.900	2.400
CDRH124-101M	100.0	20%	309.0	1.200	1.500	1.700	2.100
CDRH124-121M	120.0	20%	380.0	1.100	1.375	1.600	2.000
CDRH124-151M	150.0	20%	530.0	0.930	1.163	1.300	1.600
CDRH124-181M	180.0	20%	620.0	0.850	1.063	1.200	1.500
CDRH124-221M	220.0	20%	700.0	0.800	1.000	1.200	1.500

CDRH124 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
CDRH124-271M	270.0	20%	870.0	0.600	0.750	0.900	1.100
CDRH124-331M	330.0	20%	990.0	0.500	0.625	0.700	0.900

CDRH125 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
CDRH125-1R0N	1.00	30%	12.00	8.000	10.000	11.500	14.400
CDRH125-2R2N	2.20	30%	14.00	7.000	8.750	10.100	12.600
CDRH125-3R1N	3.10	30%	17.00	6.000	7.500	8.600	10.800
CDRH125-4R4N	4.40	30%	20.00	5.000	6.250	7.200	9.000
CDRH125-5R8N	5.80	30%	21.00	4.400	5.500	6.300	7.900
CDRH125-6R8N	6.80	30%	25.00	4.200	5.250	6.000	7.500
CDRH125-100M	10.0	20%	25.00	4.000	5.000	5.800	7.300
CDRH125-120M	12.0	20%	27.00	3.500	4.375	5.000	6.300
CDRH125-150M	15.0	20%	30.00	3.200	4.000	4.600	5.800
CDRH125-180M	18.0	20%	34.00	3.000	3.750	4.300	5.400
CDRH125-220M	22.0	20%	36.00	2.800	3.500	4.000	5.000
CDRH125-270M	27.0	20%	51.00	2.300	2.875	3.300	4.100
CDRH125-330M	33.0	20%	57.00	2.100	2.625	3.000	3.800
CDRH125-390M	39.0	20%	68.00	2.000	2.500	2.900	3.600
CDRH125-470M	47.0	20%	75.00	1.800	2.250	2.600	3.300
CDRH125-560M	56.0	20%	110.0	1.700	2.125	2.400	3.000
CDRH125-680M	68.0	20%	120.0	1.500	1.875	2.200	2.800
CDRH125-820M	82.0	20%	140.0	1.400	1.750	2.000	2.500
CDRH125-101M	100.0	20%	160.0	1.300	1.625	1.900	2.400
CDRH125-121M	120.0	20%	194.0	1.100	1.375	1.600	2.000
CDRH125-151M	150.0	20%	248.0	1.000	1.250	1.400	1.800
CDRH125-181M	180.0	20%	290.0	0.900	1.125	1.300	1.600
CDRH125-221M	220.0	20%	400.0	0.810	1.013	1.200	1.500
CDRH125-271M	270.0	20%	460.0	0.750	0.938	1.100	1.400
CDRH125-331M	330.0	20%	510.0	0.680	0.850	1.000	1.300
CDRH125-391M	390.0	20%	690.0	0.650	0.813	0.900	1.100
CDRH125-471M	470.0	20%	770.0	0.580	0.725	0.800	1.000
CDRH125-561M	560.0	20%	860.0	0.540	0.675	0.800	1.000

CDRH125 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
CDRH125-681M	680.0	20%	1200	0.480	0.600	0.700	0.900
CDRH125-821M	820.0	20%	1340	0.430	0.538	0.600	0.800
CDRH125-102K	1000	10%	1530	0.400	0.500	0.600	0.800

CDRH127 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
CDRH127-1R2N	1.20	30%	7.00	9.800	12.250	14.100	17.600
CDRH127-2R4N	2.40	30%	11.50	8.000	10.000	11.500	14.400
CDRH127-3R5N	3.50	30%	13.50	7.500	9.375	10.800	13.500
CDRH127-4R7N	4.70	30%	15.90	6.800	8.500	9.800	12.300
CDRH127-6R1N	6.10	30%	17.60	6.600	8.250	9.500	11.900
CDRH127-7R6N	7.60	30%	20.00	5.900	7.375	8.500	10.600
CDRH127-100M	10.0	20%	21.60	5.400	6.750	7.800	9.800
CDRH127-120M	12.0	20%	24.30	4.900	6.125	7.000	8.800
CDRH127-150M	15.0	20%	27.00	4.500	5.625	6.500	8.100
CDRH127-180M	18.0	20%	39.20	3.900	4.875	5.600	7.000
CDRH127-220M	22.0	20%	43.20	3.600	4.500	5.200	6.500
CDRH127-270M	27.0	20%	45.90	3.300	4.125	4.700	5.900
CDRH127-330M	33.0	20%	64.80	3.000	3.750	4.300	5.400
CDRH127-390M	39.0	20%	72.90	2.750	3.438	4.000	5.000
CDRH127-470M	47.0	20%	100.0	2.500	3.125	3.600	4.500
CDRH127-560M	56.0	20%	110.0	2.350	2.938	3.400	4.300
CDRH127-680M	68.0	20%	140.0	2.100	2.625	3.000	3.800
CDRH127-820M	82.0	20%	160.0	1.950	2.438	2.800	3.500
CDRH127-101M	100.0	20%	220.0	1.710	2.138	2.500	3.100
CDRH127-121M	120.0	20%	250.0	1.600	2.000	2.300	2.900
CDRH127-151M	150.0	20%	280.0	1.420	1.775	2.000	2.500
CDRH127-181M	180.0	20%	350.0	1.300	1.625	1.900	2.400
CDRH127-221M	220.0	20%	390.0	1.160	1.450	1.700	2.100
CDRH127-271M	270.0	20%	561.0	1.060	1.325	1.500	1.900
CDRH127-331M	330.0	20%	640.0	0.950	1.188	1.400	1.800
CDRH127-391M	390.0	20%	700.0	0.890	1.113	1.300	1.600
CDRH127-471M	470.0	20%	980.0	0.790	0.988	1.100	1.400

CDRH127 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
CDRH127-561M	560.0	20%	1070	0.730	0.913	1.000	1.300
CDRH127-681M	680.0	20%	1460	0.670	0.838	1.000	1.300
CDRH127-821M	820.0	20%	1640	0.600	0.750	0.900	1.100
CDRH127-102K	1000	10%	1820	0.550	0.688	0.800	1.000

CDRH129 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
CDRH129-1R0N	1.00	30%	5.50	19.900	24.875	28.600	35.800
CDRH129-1R8N	1.80	30%	6.50	13.400	16.750	19.300	24.100
CDRH129-2R5N	2.50	30%	8.00	12.160	15.200	17.500	21.900
CDRH129-3R5N	3.50	30%	9.70	12.000	15.000	17.300	21.600
CDRH129-4R7N	4.70	30%	11.00	10.080	12.600	14.500	18.100
CDRH129-5R6N	5.60	30%	12.50	8.560	10.700	12.300	15.400
CDRH129-7R5N	7.50	30%	14.00	8.480	10.600	12.200	15.300
CDRH129-100N	10.0	30%	18.00	7.120	8.900	10.200	12.800
CDRH129-120M	12.0	20%	19.00	7.040	8.800	10.100	12.600
CDRH129-150M	15.0	20%	26.00	5.830	7.288	8.400	10.500
CDRH129-220M	22.0	20%	29.00	5.120	6.400	7.400	9.300
CDRH129-330M	33.0	20%	53.00	4.250	5.313	6.100	7.600
CDRH129-470M	47.0	20%	63.00	3.600	4.500	5.200	6.500
CDRH129-560M	56.0	20%	68.00	2.850	3.563	4.100	5.100
CDRH129-680M	68.0	20%	93.00	2.760	3.450	4.000	5.000
CDRH129-820M	82.0	20%	99.00	2.620	3.275	3.800	4.800
CDRH129-101M	100.0	20%	126.0	2.310	2.888	3.300	4.100
CDRH129-121M	120.0	20%	153.0	2.050	2.563	2.900	3.600
CDRH129-151M	150.0	20%	174.0	1.800	2.250	2.600	3.300
CDRH129-181M	180.0	20%	191.0	1.680	2.100	2.400	3.000
CDRH129-221M	220.0	20%	246.0	1.640	2.050	2.400	3.000
CDRH129-331M	330.0	20%	386.0	1.280	1.600	1.800	2.300
CDRH129-471M	470.0	20%	471.0	1.060	1.325	1.500	1.900
CDRH129-561M	560.0	20%	650.0	1.010	1.263	1.500	1.900
CDRH129-681M	680.0	20%	730.0	0.830	1.038	1.200	1.500
CDRH129-821M	820.0	20%	938.0	0.810	1.013	1.200	1.500

CDRH129 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
CDRH129-102K	1000	10%	1220	0.700	0.875	1.000	1.300
CDRH129-122K	1200	10%	1520	0.620	0.775	0.900	1.100
CDRH129-152K	1500	10%	1990	0.560	0.700	0.800	1.000
CDRH129-182K	1800	10%	2180	0.480	0.600	0.700	0.900
CDRH129-222K	2200	10%	2580	0.420	0.525	0.600	0.800

Remarks:

- * All test data is referenced to 25℃ ambient temperature .
- * Test equipment: VC4092B, TH2516B, HP4284/HP4284A ,HP4285 or equivalent .
- * Inductance: at 100kHz/1.0Vrms.
- * Isat: DC current at which the inductance drops 30% from its initial value without current.
- * I rms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 25℃.