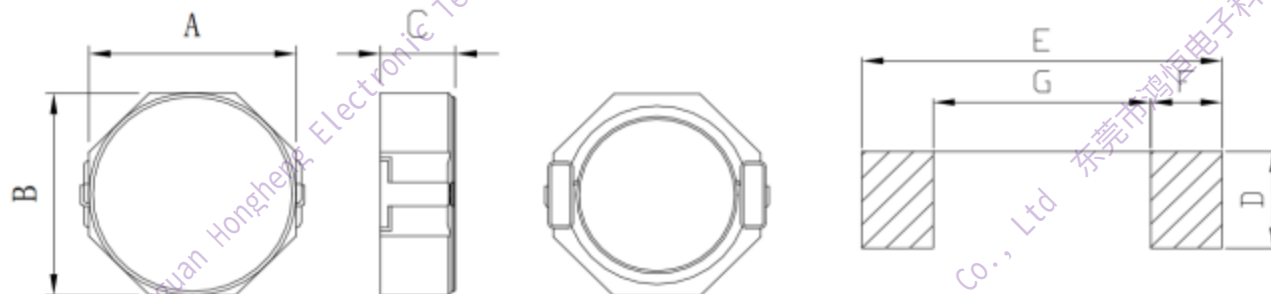


Features:

- 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)
CDRH8D28	8.0±0.3	8.0±0.3	3.0 Max.	2.8	10.1	2.0	6.1	1000
CDRH8D38	8.0±0.3	8.0±0.3	4.0 Max.	2.8	10.1	2.0	6.1	1000
CDRH8D43	8.0±0.3	8.0±0.3	4.5 Max.	2.8	10.1	2.0	6.1	500

CDRH8D28 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
CDRH8D28-1R0N	1.00	30%	11.00	6.500	8.125	9.300	11.600
CDRH8D28-2R0N	2.00	30%	15.60	4.500	5.625	6.500	8.100
CDRH8D28-2R7N	2.70	30%	18.20	4.000	5.000	5.800	7.300
CDRH8D28-4R7N	4.70	30%	24.80	3.410	4.263	4.900	6.100
CDRH8D28-6R8N	6.80	30%	39.00	2.800	3.500	4.000	5.000
CDRH8D28-100N	10.0	30%	54.00	2.300	2.875	3.300	4.100
CDRH8D28-150M	15.0	20%	69.00	1.900	2.375	2.700	3.400
CDRH8D28-220M	22.0	20%	122.0	1.400	1.750	2.000	2.500
CDRH8D28-330M	33.0	20%	156.0	1.300	1.625	1.900	2.400
CDRH8D28-470M	47.0	20%	228.0	1.150	1.438	1.700	2.100
CDRH8D28-680M	68.0	20%	324.0	0.930	1.163	1.300	1.600
CDRH8D28-101M	100.0	20%	480.0	0.750	0.938	1.100	1.400

CDRH8D38 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
CDRH8D38-1R5N	1.50	30%	15.60	7.000	8.750	10.100	12.600
CDRH8D38-2R2N	2.20	30%	19.20	6.500	8.125	9.300	11.600
CDRH8D38-3R5N	3.50	30%	24.00	5.000	6.250	7.200	9.000
CDRH8D38-4R7N	4.70	30%	29.00	4.600	5.750	6.600	8.300
CDRH8D38-6R8N	6.80	30%	42.70	4.200	5.250	6.000	7.500
CDRH8D38-100M	10.0	20%	55.00	3.000	3.750	4.300	5.400
CDRH8D38-150M	15.0	20%	67.00	2.750	3.438	4.000	5.000
CDRH8D38-220M	22.0	20%	105.0	2.300	2.875	3.300	4.100
CDRH8D38-330M	33.0	20%	157.0	1.750	2.188	2.500	3.100
CDRH8D38-470M	47.0	20%	211.0	1.520	1.900	2.200	2.800
CDRH8D38-680M	68.0	20%	290.0	1.300	1.625	1.900	2.400
CDRH8D38-101M	100.0	20%	410.0	1.050	1.313	1.500	1.900

CDRH8D43 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
CDRH8D43-R68N	0.68	30%	9.50	8.000	10.000	11.500	14.400
CDRH8D43-1R2N	1.20	30%	12.20	7.000	8.750	10.100	12.600
CDRH8D43-2R0N	2.00	30%	14.00	6.500	8.125	9.300	11.600
CDRH8D43-3R3N	3.30	30%	19.00	5.900	7.375	8.500	10.600
CDRH8D43-4R7N	4.70	30%	22.00	5.000	6.250	7.200	9.000
CDRH8D43-6R8N	6.80	30%	28.00	4.600	5.750	6.600	8.300
CDRH8D43-100M	10.0	20%	36.00	3.800	4.750	5.500	6.900
CDRH8D43-150M	15.0	20%	62.00	2.900	3.625	4.200	5.300
CDRH8D43-220M	22.0	20%	75.00	2.600	3.250	3.700	4.600
CDRH8D43-330M	33.0	20%	125.0	2.200	2.750	3.200	4.000
CDRH8D43-470M	47.0	20%	168.0	1.800	2.250	2.600	3.300
CDRH8D43-680M	68.0	20%	270.0	1.500	1.875	2.200	2.800
CDRH8D43-101M	100.0	20%	360.0	1.300	1.625	1.900	2.400

Remarks:

- * All test data is referenced to 25°C 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.
- * Irms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 25°C.