



### Wire Wound SMD Power Inductors

#### CDH Series



#### Features

- Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference (EMI)
- Higher current rating than conventional inductors of equal size
- Takes up less PCB real estate and save more power

#### Applications

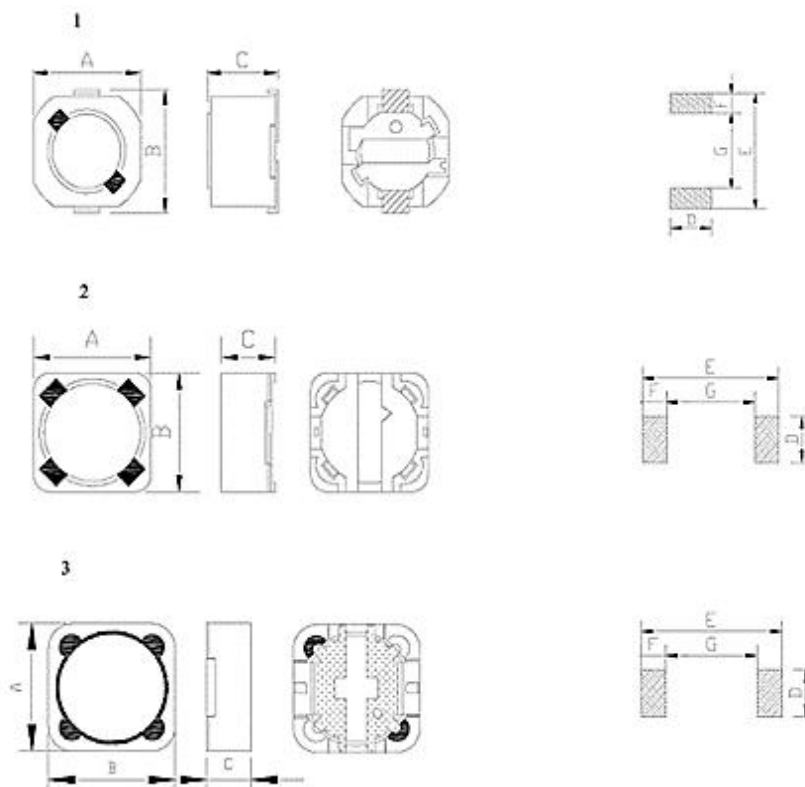
- LED Lighting
- Next-generation mobile devices with multifunction such as mobile TV and digital movie cameras

- Flat-screen TVs, blue-ray disc recorders, set top box
- Notebooks, desktop computers, servers, graphic cards
- Portable gaming devices, personal navigation systems, personal multimedia devices
- Automotive systems
- Telecomm base stations

#### Environmental Data

- Operating temperature range: -40°C to +125°C (ambient plus self-temperature rise)

Description									
CDH127-100M			10.0μH			±20 % (±30 %)			
Model			Inductance Value			Inductance Tolerance			
Global Part Number									
C	D	H	1	2	7	1	0	0	M(N)
Product Series			Dimensions			Inductance Value			Tol. ±20% (±30%)

**Dimensions**


Unit: mm

Type Name	Shape	A	B	C	D	E	F	G
CDH62	1	6.2±0.3	6.6±0.3	3.2MAX	1.9REF	7.4REF	1.4REF	4.6REF
CDH64	1	6.2±0.3	6.6±0.3	5.0MAX	1.9REF	7.4REF	1.4REF	4.6REF
CDH73	2	7.3±0.2	7.3±0.2	3.5MAX	2.2REF	8.0REF	1.6REF	4.8REF
CDH74	2	7.3±0.2	7.3±0.2	4.5MAX	2.2REF	8.0REF	1.6REF	4.8REF
CDH104	3	10.5MAX	10.5MAX	4.8MAX	4.0REF	10.6REF	2.3REF	6.0REF
CDH124	3	12.5MAX	12.5MAX	4.5MAX	5.4REF	12.6REF	2.8REF	7.0REF
CDH125	3	12.5MAX	12.5MAX	6.0MAX	5.4REF	12.8REF	2.9REF	7.0REF
CDH127	3	12.5MAX	12.5MAX	8.0MAX	5.4REF	12.8REF	2.9REF	7.0REF
CDH129	3	12.5MAX	12.5MAX	10.0MAX	5.4REF	12.8REF	2.9REF	7.0REF

**CDH62 Series**

Part No.	Inductance	DC Resistance	Rating Current	Saturation Current
	L0 (μH) 100kHz, 1V	DCR (mΩ) MAX.	I <sub>dc</sub> (A) TYP.	I <sub>sat</sub> TYP.
CDH62-2R2N	2.2±30%	44	1.69	2



# Magsonder Innovation (Shanghai) Co., Ltd

## 墨尚电子技术(上海)有限公司

CDH Series

CDH62-3R3N	3.3±30%	68	1.44	1.7
CDH62-4R7N	4.7±30%	80	1.27	1.5
CDH62-5R6N	5.6±30%	96	1.19	1.4
CDH62-6R8N	6.8±30%	100	1.02	1.2
CDH62-7R1N	7.1±30%	110	0.97	1.15
CDH62-100M	10±20%	150	0.93	1.1
CDH62-120M	12±20%	200	0.85	1
CDH62-150M	15±20%	230	0.76	0.9
CDH62-180M	18±20%	270	0.68	0.8
CDH62-220M	22±20%	340	0.63	0.74
CDH62-270M	27±20%	380	0.56	0.66
CDH62-330M	33±20%	450	0.50	0.59
CDH62-390M	39±20%	490	0.46	0.54
CDH62-470M	47±20%	690	0.42	0.5
CDH62-560M	56±20%	780	0.39	0.46
CDH62-680M	68±20%	1070	0.36	0.42
CDH62-820M	82±20%	1200	0.32	0.38
CDH62-101M	100±20%	1390	0.29	0.34
CDH62-121M	120±20%	1900	0.26	0.31
CDH62-151M	150±20%	2180	0.24	0.28
CDH62-181M	180±20%	2770	0.22	0.26
CDH62-221M	220±20%	3100	0.19	0.23
CDH62-271M	270±20%	4380	0.19	0.22
CDH62-331M	330±20%	4900	0.16	0.19

### CDH64 Series

Part No.	Inductance	DC Resistance	Rating Current	Saturation Current
	L0 (μH) 100kHz, 1V	DCR (mΩ) MAX.	I <sub>dc</sub> (A) TYP.	I <sub>sat</sub> TYP.
CDH64-100M	10±20%	0.11	1.42	1.68
CDH64-120M	12±20%	0.13	1.28	1.51
CDH64-150M	15±20%	0.14	1.12	1.32



# Magsonder Innovation (Shanghai) Co., Ltd

墨尚电子技术(上海)有限公司

CDH Series

CDH64-180M	18±20%	0.16	1.00	1.18
CDH64-220M	22±20%	0.21	0.90	1.06
CDH64-270M	27±20%	0.29	0.81	0.95
CDH64-330M	33±20%	0.33	0.75	0.88
CDH64-390M	39±20%	0.35	0.65	0.77
CDH64-470M	47±20%	0.39	0.64	0.76
CDH64-560M	56±20%	0.43	0.57	0.67
CDH64-680M	68±20%	0.59	0.51	0.6
CDH64-820M	82±20%	0.66	0.48	0.57
CDH64-101M	100±20%	0.76	0.42	0.5
CDH64-121M	120±20%	0.83	0.40	0.47
CDH64-151M	150±20%	1.24	0.36	0.42
CDH64-181M	180±20%	1.89	0.31	0.37
CDH64-221M	220±20%	2.1	0.29	0.34
CDH64-271M	270±20%	2.37	0.26	0.31
CDH64-331M	330±20%	2.66	0.23	0.27

## CDH73 Series

Part No.	Inductance	DC Resistance	Rating Current	Saturation Current
	L0 (μH) 100kHz, 1V	DCR (mΩ) MAX.	Idc (A) TYP.	Isat TYP.
CDH73-100M	10±20%	0.072	1.42	1.68
CDH73-120M	12±20%	0.098	1.29	1.52
CDH73-150M	15±20%	0.13	1.13	1.33
CDH73-180M	18±20%	0.14	1.02	1.2
CDH73-220M	22±20%	0.19	0.91	1.07
CDH73-270M	27±20%	0.21	0.81	0.96
CDH73-330M	33±20%	0.24	0.77	0.91
CDH73-390M	39±20%	0.32	0.65	0.77
CDH73-470M	47±20%	0.36	0.64	0.76
CDH73-560M	56±20%	0.47	0.58	0.68
CDH73-680M	68±20%	0.52	0.52	0.61



# Magsonder Innovation (Shanghai) Co., Ltd

## 墨尚电子技术(上海)有限公司

CDH Series

CDH73-820M	82±20%	0.69	0.48	0.57
CDH73-101M	100±20%	0.79	0.42	0.5
CDH73-121M	120±20%	0.89	0.42	0.49
CDH73-151M	150±20%	1.27	0.36	0.43
CDH73-181M	180±20%	1.45	0.33	0.39
CDH73-221M	220±20%	1.65	0.30	0.35
CDH73-271M	270±20%	2.31	0.27	0.32
CDH73-331M	330±20%	2.62	0.24	0.28
CDH73-391M	390±20%	2.94	0.22	0.26
CDH73-471M	470±20%	4.18	0.20	0.24
CDH73-561M	560±20%	4.67	0.19	0.22
CDH73-681M	680±20%	5.73	0.16	0.19
CDH73-821M	820±20%	6.54	0.15	0.18
CDH73-102M	1000±20%	9.44	0.14	0.16

### CDH74 Series

Part No.	Inductance	DC Resistance	Rating Current	Saturation Current
	L0 (μH) 100kHz, 1V	DCR (mΩ) MAX.	Idc (A) TYP.	Isat TYP.
CDH74-1R0N	1.0±30%	11.1	5.02	6.8
CDH74-2R2N	2.2±30%	18	3.94	5
CDH74-3R3N	3.3±30%	22	3.51	4
CDH74-4R7N	4.7±30%	31	2.78	3.4
CDH74-5R6N	5.6±30%	33	2.20	2.7
CDH74-6R8N	6.8±30%	35	1.88	2.3
CDH74-8R2N	8.2±30%	45	1.73	2.1
CDH74-100M	10±20%	49	1.53	1.84
CDH74-120M	12±20%	58	1.41	1.71
CDH74-150M	15±20%	81	1.22	1.47
CDH74-180M	18±20%	91	1.06	1.31
CDH74-220M	22±20%	110	0.99	1.23
CDH74-270M	27±20%	150	0.93	1.12
CDH74-330M	33±20%	170	0.80	0.96
CDH74-390M	39±20%	230	0.73	0.91



# Magsonder Innovation (Shanghai) Co., Ltd

墨尚电子技术(上海)有限公司

CDH Series

CDH74-470M	47±20%	260	0.71	0.88
CDH74-560M	56±20%	350	0.60	0.75
CDH74-680M	68±20%	380	0.58	0.69
CDH74-820M	82±20%	430	0.51	0.61
CDH74-101M	100±20%	610	0.50	0.6
CDH74-121M	120±20%	660	0.43	0.52
CDH74-151M	150±20%	880	0.37	0.46
CDH74-181M	180±20%	980	0.33	0.42
CDH74-221M	220±20%	1170	0.30	0.36
CDH74-271M	270±20%	1640	0.28	0.34
CDH74-331M	330±20%	1860	0.25	0.32
CDH74-391M	390±20%	2850	0.23	0.29
CDH74-471M	470±20%	3000	0.21	0.26
CDH74-561M	560±20%	3600	0.19	0.23
CDH74-681M	680±20%	4600	0.18	0.22
CDH74-821M	820±20%	5200	0.16	0.2
CDH74-102M	1000±20%	6000	0.15	0.18

## CDH104 Series

Part No.	Inductance	DC Resistance	Rating Current	Saturation Current
	L0 (μH) 100kHz, 1V	DCR (mΩ) MAX.	Idc (A) TYP.	Isat TYP.
CDH104-4R7M	4.7±20%	35	2.65	3.2
CDH104-6R8M	6.8±20%	44	2.34	2.8
CDH104-100M	10±20%	50	1.96	2.4
CDH104-120M	12±20%	54	1.82	2.25
CDH104-150M	15±20%	61	1.64	2
CDH104-180M	18±20%	84	1.46	1.8
CDH104-220M	22±20%	94	1.35	1.65
CDH104-270M	27±20%	110	1.18	1.45
CDH104-330M	33±20%	150	1.09	1.35
CDH104-390M	39±20%	170	0.98	1.2
CDH104-470M	47±20%	210	0.89	1.1
CDH104-560M	56±20%	230	0.82	1



# Magsonder Innovation (Shanghai) Co., Ltd

墨尚电子技术(上海)有限公司

CDH Series

CDH104-680M	68±20%	260	0.74	0.93
CDH104-820M	82±20%	360	0.68	0.84
CDH104-101M	100±20%	410	0.61	0.76
CDH104-121M	120±20%	450	0.57	0.7
CDH104-151M	150±20%	640	0.51	0.63
CDH104-181M	180±20%	840	0.46	0.57
CDH104-221M	220±20%	960	0.41	0.52
CDH104-271M	270±20%	1070	0.38	0.47
CDH104-331M	330±20%	1370	0.34	0.43
CDH104-391M	390±20%	1550	0.31	0.39
CDH104-471M	470±20%	1740	0.30	0.36

## CDH124 Series

Part No.	Inductance	DC Resistance	Rating Current	Saturation Current
	L0 (μH) 100kHz, 1V	DCR (mΩ) MAX.	Idc (A) TYP.	Isat TYP.
CDH124-3R9M	3.9±20%	15	5.43	6.5
CDH124-4R7M	4.7±20%	18	4.78	5.7
CDH124-6R8M	6.8±20%	25	4.13	4.9
CDH124-8R2M	8.2±20%	26	3.88	4.6
CDH124-100M	10±20%	32	3.76	4.5
CDH124-120M	12±20%	38	3.35	4
CDH124-150M	15±20%	50	2.71	3.2
CDH124-180M	18±20%	57	2.62	3.1
CDH124-220M	22±20%	66	2.43	2.9
CDH124-270M	27±20%	80	2.36	2.8
CDH124-330M	33±20%	97	2.29	2.7
CDH124-390M	39±20%	132	1.78	2.1
CDH124-470M	47±20%	150	1.62	1.9
CDH124-560M	56±20%	190	1.53	1.8
CDH124-680M	68±20%	220	1.31	1.5
CDH124-820M	82±20%	260	1.08	1.3



# Magsonder Innovation (Shanghai) Co., Ltd

墨尚电子技术(上海)有限公司

CDH Series

CDH124-101M	100±20%	308	0.99	1.2
CDH124-121M	120±20%	380	0.91	1.1
CDH124-151M	150±20%	530	0.78	0.95
CDH124-181M	180±20%	620	0.72	0.85
CDH124-221M	220±20%	700	0.68	0.8
CDH124-271M	270±20%	870	0.49	0.6
CDH124-331M	330±20%	990	0.41	0.5

## CDH125 Series

Part No.	Inductance	DC Resistance	Rating Current	Saturation Current
	L0 (μH) 100kHz, 1V	DCR (mΩ) MAX.	Idc (A) TYP.	Isat TYP.
CDH125-1R0N	1.0±30%	12	6.35	8
CDH125-2R2N	2.2±30%	14	5.88	7
CDH125-3R1N	3.1±30%	17	5.32	6
CDH125-4R4N	4.4±30%	20	4.21	5
CDH125-5R8N	5.8±30%	21	3.71	4.4
CDH125-6R8N	6.8±30%	24	3.55	4.2
CDH125-100M	10±20%	25	3.37	4
CDH125-120M	12±20%	27	2.98	3.5
CDH125-150M	15±20%	30	2.78	3.3
CDH125-180M	18±20%	34	2.51	3
CDH125-220M	22±20%	36	2.34	2.8
CDH125-270M	27±20%	51	1.98	2.3
CDH125-330M	33±20%	57	1.81	2.1
CDH125-390M	39±20%	68	1.73	2
CDH125-470M	47±20%	75	1.56	1.8
CDH125-560M	56±20%	110	1.49	1.7
CDH125-680M	68±20%	120	1.31	1.5
CDH125-820M	82±20%	140	1.22	1.4
CDH125-101M	100±20%	160	1.18	1.3
CDH125-121M	120±20%	193	0.95	1.1
CDH125-151M	150±20%	248	0.86	1
CDH125-181M	180±20%	290	0.78	0.9
CDH125-221M	220±20%	400	0.70	0.8





# Magsonder Innovation (Shanghai) Co., Ltd

墨尚电子技术(上海)有限公司

CDH Series

CDH125-271M	270±20%	460	0.67	0.75
CDH125-331M	330±20%	510	0.59	0.68
CDH125-391M	390±20%	690	0.56	0.65
CDH125-471M	470±20%	770	0.51	0.58
CDH125-561M	560±20%	860	0.48	0.54
CDH125-681M	680±20%	1200	0.42	0.48
CDH125-821M	820±20%	1340	0.36	0.43
CDH125-102M	1000±20%	1530	0.33	0.4

## CDH127 Series

Part No.	Inductance	DC Resistance	Rating Current	Saturation Current
	L0 (μH) 100kHz, 1V	DCR (mΩ) MAX.	Idc (A) TYP.	Isat TYP.
CDH127-1R2N	1.2±30%	7	7.8	9.8
CDH127-2R4N	2.4±30%	11.5	6.95	8
CDH127-3R5N	3.5±30%	13.5	6.38	7.5
CDH127-4R7N	4.7±30%	15.8	6.01	6.8
CDH127-6R1N	6.1±30%	17.6	5.65	6.6
CDH127-7R6N	7.6±30%	20	5.28	5.9
CDH127-100M	10±20%	21.6	4.82	5.4
CDH127-120M	12±20%	24.3	4.43	4.9
CDH127-150M	15±20%	27	4.28	4.5
CDH127-180M	18±20%	39.2	3.31	3.9
CDH127-220M	22±20%	43.2	3.04	3.6
CDH127-270M	27±20%	45.9	2.89	3.4
CDH127-330M	33±20%	64.8	2.51	3
CDH127-390M	39±20%	72.9	2.35	2.75
CDH127-470M	47±20%	100	2.13	2.5
CDH127-560M	56±20%	110	1.96	2.35
CDH127-680M	68±20%	140	1.75	2.1
CDH127-820M	82±20%	160	1.66	1.95
CDH127-101M	100±20%	220	1.42	1.7
CDH127-121M	120±20%	250	1.33	1.6
CDH127-151M	150±20%	280	1.21	1.42
CDH127-181M	180±20%	350	1.13	1.3
CDH127-221M	220±20%	390	0.97	1.16



# Magsonder Innovation (Shanghai) Co., Ltd

墨尚电子技术(上海)有限公司

CDH Series

CDH127-271M	270±20%	560	0.87	1.06
CDH127-331M	330±20%	640	0.81	0.95
CDH127-391M	390±20%	700	0.73	0.88
CDH127-471M	470±20%	980	0.68	0.79
CDH127-561M	560±20%	1070	0.62	0.73
CDH127-681M	680±20%	1460	0.58	0.67
CDH127-821M	820±20%	1640	0.49	0.6
CDH127-102M	1000±20%	1820	0.46	0.55

## CDH129 Series

Part No.	Inductance	DC Resistance	Rating Current	Saturation Current
	L0 (μH) 100kHz, 1V	DCR (mΩ) MAX.	Idc (A) TYP.	Isat TYP.
CDH129-1R0N	1.0±30%	5.5	15.09	19.9
CDH129-1R8N	1.8±30%	6.5	10.15	13.4
CDH129-2R5N	2.5±30%	8	9.12	12.2
CDH129-3R5N	3.5±30%	9.7	8.82	12
CDH129-4R7N	4.7±30%	11	7.78	10.1
CDH129-5R6N	5.6±30%	12.4	7.34	8.56
CDH129-7R5N	7.5±30%	14	6.93	8.48
CDH129-100M	10±20%	18	5.95	7.12
CDH129-120M	12±20%	19	5.92	7.04
CDH129-150M	15±20%	26	4.98	5.84
CDH129-220M	22±20%	29	4.62	5.12
CDH129-330M	33±20%	53	3.54	4.25
CDH129-470M	47±20%	63	3.27	3.6
CDH129-560M	56±20%	68	2.62	2.85
CDH129-680M	68±20%	93	2.48	2.76
CDH129-820M	82±20%	99	2.41	2.62
CDH129-101M	100±20%	126	2.08	2.31
CDH129-121M	120±20%	154	1.86	2.05
CDH129-151M	150±20%	174	1.68	1.8
CDH129-181M	180±20%	191	1.53	1.66
CDH129-221M	220±20%	246	1.52	1.64
CDH129-331M	330±20%	386	1.18	1.28
CDH129-471M	470±20%	471	0.95	1.06



# Magsonder Innovation (Shanghai) Co., Ltd

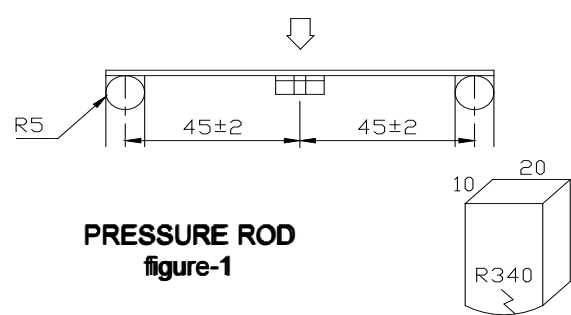
墨尚电子技术(上海)有限公司

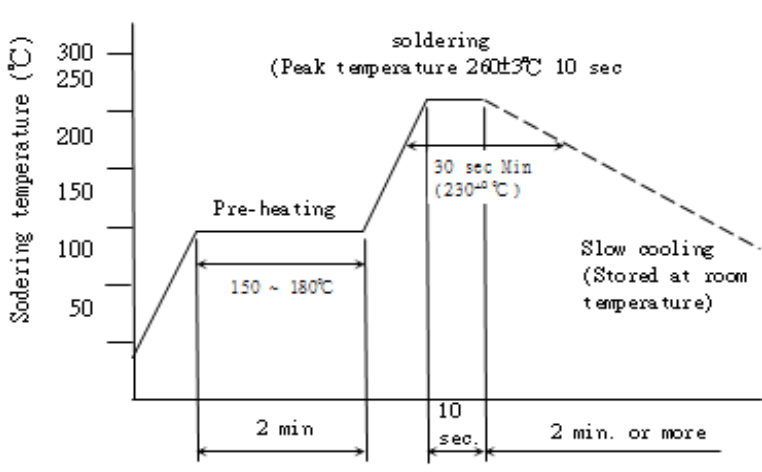
CDH Series

CDH129-561M	560±20%	650	0.93	1.01
CDH129-681M	680±20%	730	0.76	0.83
CDH129-821M	820±20%	936	0.74	0.81
CDH129-102M	1000±20%	1220	0.65	0.7
CDH129-122M	1200±20%	1520	0.59	0.64
CDH129-152M	1500±20%	1990	0.51	0.56
CDH129-182M	1800±20%	2180	0.42	0.48
CDH129-222M	2200±20%	2580	0.4	0.43

## Notes

1. All test data is referenced to 25 °C ambient
2. Operating temperature range - 55 °C to + 125 °C
3. I<sub>dc</sub>(A):DC current (A) that will cause an approximate ΔT of 40 °C(reference ambient temperature is 25 °C)
4. I<sub>sat</sub>(A):DC current (A) that will cause L0 to drop approximately 35 %
5. The part temperature (ambient + temp rise) should not exceed 125 °C under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

RELIABILITY TEST METHOD		
MECHANICAL		
TEST ITEM	SPECIFICATION	TEST DETAILS
Substrate bending	$\Delta L/L_0 \leq \pm 5\%$  There shall be no mechanical damage or electrical damage.	<p>The sample shall be soldered onto the printed circuit board in figure 1 and a load applied until the figure in the arrow direction is made approximately 3mm.(keep time 30 seconds)</p> <p>PCB dimension shall the page 7/9</p> <p>F(Pressurization)</p>  <p style="text-align: center;"><b>PRESSURE ROD figure-1</b></p>
Vibration	$\Delta L/L_0 \leq \pm 5\%$  There shall be no mechanical damage.	<p>The sample shall be soldered onto the printed circuit board and when a vibration having an amplitude of 1.52mm and a frequency of from 10 to 55Hz/1 minute repeated should be applied to the 3 directions (X,Y,Z) for 2 hours each. (A total of 6 hours)</p>
Solderability	New solder More than 90%	<p>Flux (rosin, isopropyl alcohol{JIS-K-1522}) shall be coated over the whole of the sample before hard, the sample shall then be preheated for about 2 minutes in a temperature of 130~150°C and after it has been immersed to a depth 0.5mm below for 3±0.2 seconds fully in molten solder M705 with a temperature of 245±2°C .</p> <p>More than 90% of the electrode sections shall be covered with new solder smoothly when the sample is taken out of the solder bath.</p>

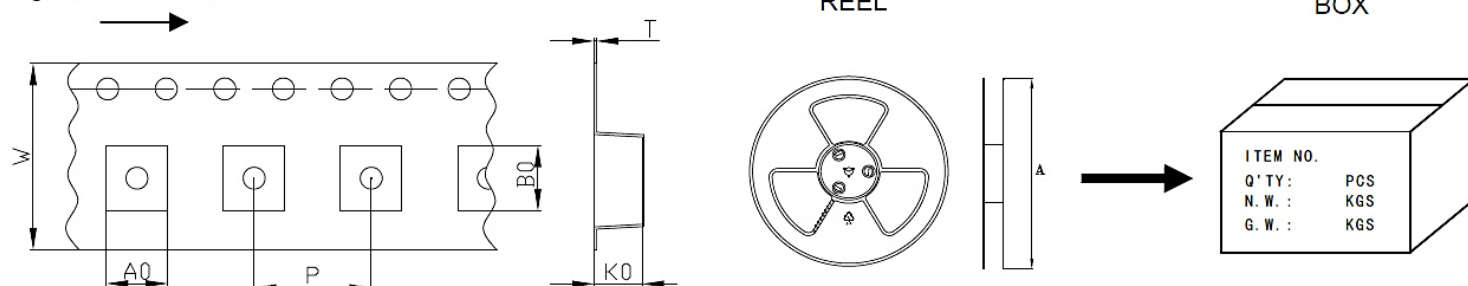
<b>MECHANICAL</b>		
TEST ITEM	SPECIFICATION	
Resistance to Soldering heat (reflow soldering)	There shall be no damage or problems.	<p style="text-align: center;">Temperature profile of reflow soldering</p>  <p>The specimen shall be passed through the reflow oven with the condition shown in the above profile for 1 time.</p> <p>The specimen shall be stored at standard atmospheric conditions for 1 hour, after which the measurement shall be made.</p>
<b>ELECTRICAL</b>		
TEST ITEM	SPECIFICATION	TEST DETAILS
Insulation resistance	There shall be no other damage or problems.	DC 100V voltage shall be applied across this sample of top surface and the terminal. The insulation resistance shall be more than $1 \times 10^8 \Omega$ .
Dielectric withstand voltage	There shall be no other damage or problems.	AC 100V voltage shall be applied for 1 minute across the top surface and the terminal of this sample
Temperature characteristics	$\Delta L/L 20^\circ\text{C} \leq \pm 10\%$ $0 \sim 2000 \text{ ppm}/^\circ\text{C}$	The test shall be performed after the sample has stabilized in an ambient temperature of $-40$ to $+125^\circ\text{C}$ , and the value calculated based on the value applicable in a normal temperature and normal humidity shall be $\Delta L/L 20^\circ\text{C} \leq \pm 10\%$ .

### ENVIRONMENT CHARACTERISTICS

TEST ITEM	SPECIFICATION																
High temperature storage	$\Delta L/L_0 \leq \pm 5\%$  There shall be no mechanical damage.	The sample shall be left for $96 \pm 4$ hours in an atmosphere with a temperature of $125 \pm 2^\circ\text{C}$ and a normal humidity.  Upon completion of the measurement shall be made after the sample has been left in a normal temperature and normal humidity for 1 hour.															
Low temperature storage	$\Delta L/L_0 \leq \pm 5\%$  There shall be no mechanical damage.	The sample shall be left for $96 \pm 4$ hours in an atmosphere with a temperature of $-40 \pm 3^\circ\text{C}$ .  Upon completion of the test, the measurement shall be made after the sample has been left in a normal temperature and normal humidity for 1 hour.															
Change of temperature	$\Delta L/L_0 \leq \pm 5\%$  There shall be no other damage of problems	The sample shall be subject to 5 continuous cycles, such as shown in the table 2 below and then it shall be subjected to standard atmospheric conditions for 1 hour, after which measurement shall be made.  <div style="text-align: center;">table 2</div> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th>Temperature</th> <th>Duration</th> </tr> </thead> <tbody> <tr> <td>1</td> <td><math>-40 \pm 3^\circ\text{C}</math> (Thermostat No.1)</td> <td>30 min.</td> </tr> <tr> <td>2</td> <td>Standard atmospheric</td> <td>5 sec. or less No.1→No.2</td> </tr> <tr> <td>3</td> <td><math>125 \pm 2^\circ\text{C}</math> (Thermostat No.2)</td> <td>30 min.</td> </tr> <tr> <td>4</td> <td>Standard atmospheric</td> <td>5 sec. or less No.2→No.1</td> </tr> </tbody> </table>		Temperature	Duration	1	$-40 \pm 3^\circ\text{C}$ (Thermostat No.1)	30 min.	2	Standard atmospheric	5 sec. or less No.1→No.2	3	$125 \pm 2^\circ\text{C}$ (Thermostat No.2)	30 min.	4	Standard atmospheric	5 sec. or less No.2→No.1
	Temperature	Duration															
1	$-40 \pm 3^\circ\text{C}$ (Thermostat No.1)	30 min.															
2	Standard atmospheric	5 sec. or less No.1→No.2															
3	$125 \pm 2^\circ\text{C}$ (Thermostat No.2)	30 min.															
4	Standard atmospheric	5 sec. or less No.2→No.1															
Moisture storage	$\Delta L/L_0 \leq \pm 5\%$  There shall be no mechanical damage.	The sample shall be left for $96 \pm 4$ hours in a temperature of $40 \pm 2^\circ\text{C}$ and a humidity(RH) of 90~95%.  Upon completion of the test, the measurement shall be made after the sample has been left in a normal temperature and normal humidity more than 1 hour.															
Test conditions : The sample shall be reflow soldered onto the printed circuit board in every test.																	

### Packing: Dimensions for embossed tape and reel&carton packing with packed Qty

The force for tearing off cover tape is 10 to 130 grams in arrow direction.



Type	DIMENSIONS(mm)							QTY(PCS/REEL)
	A	W	P	A0	B0	K0	T	
CDH62	330	16	12	6.9	6.9	3.1	0.35	1500
CDH64	330	16	12	7.3	7.3	5.1	0.4	1000
CDH73	330	16	12	7.6	7.6	3.8	0.35	1000
CDH74	330	16	12	7.8	7.8	4.6	0.4	1000
CDH104	330	24	16	10.5	10.7	4.9	0.4	750
CDH124	330	24	16	12.6	12.6	5.2	0.4	500
CDH125	330	24	16	12.5	12.5	6.3	0.4	500
CDH127	330	24	16	12.6	12.6	8.2	0.4	500
CDH129	330	24	16	12.6	12.6	10.3	0.5	350