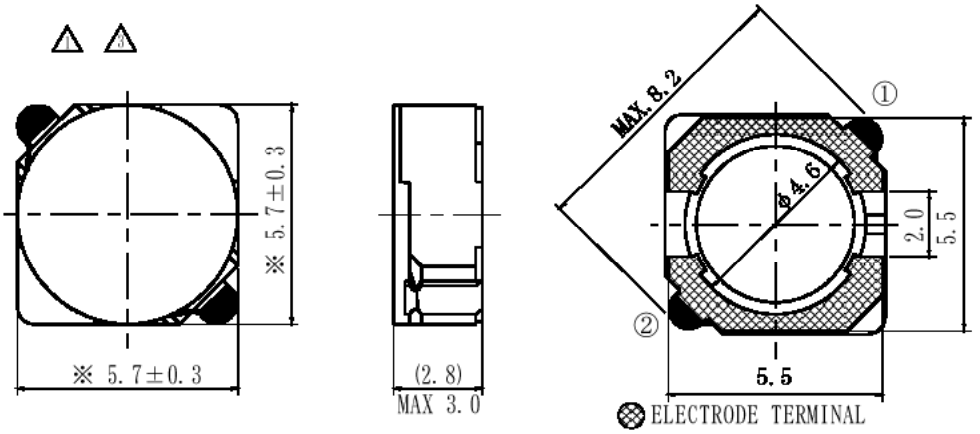
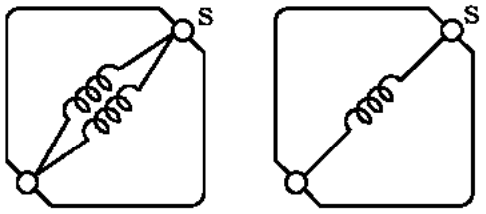
	SPECIFICATION	
	SUMIDA TYPE　CDRH5D28	PART NO. REF. TO THE ATTACHED SHEET.

1.DIMENSION　(UNIT mm)



※ NO INCLUDE TERMINAL DIMENSION.　　＊ DIMENSION WITHOUT TOLERANCE ARE APPROX.

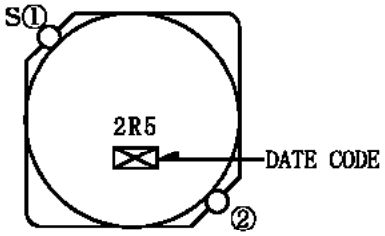
2.CONNECTION　(BOTTOM)



(2.5μH～8.2μH)　(10μH～100μH)

"S" IS WINDING START.

3. STAMP (Ex.)



DIRECTLY STAMP
FIXED THE POSITION

4. NOTE

＊ RECOMMENDED REFLOW CONDITION TO BE ACCORDING TO S-074-5003.

＊ ENCLOSING CONDITION OF COILS.

＊ CARRIER TAPE PACKING SPECIFICATION IN DETAIL. (S-074-5075)

1st, Mar., 1999	SUMIDA CODE	4761	
CHK.	CHK.	DRG.	DRG. NO. 2/5
LIU YUEJIANG	DENG WEISHI	YANG XIANYU S	S-074-6066

GENERAL CHARACTERISTICS

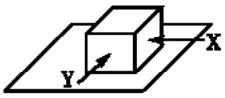
TYPE
CDRH5D28

1. OPERATING TEMPERATURE RANGE: -25 ～ +85℃ (CONTAIN HEATING COIL)

2. STORAGE TEMPERATURE RANGE : -30 ～ +85℃

3. EXTERNAL APPEARANCE : NO EXTERNAL DEFECTS CAN BE FOUND IN THE VISUAL INSPECTION.

4. TERMINAL STRENGTH : NO TERMINAL DETACHMENT SHOULD BE FOUND WHEN THE DEVICE IS PUSHED IN TWO DIRECTIONS OF X AND Y WITH THE FORCE OF 5.0N FOR 10±5 SECONDS AFTER SOLDERING BETWEEN COPPER PLATE AND THE TERMINALS. (REFER TO FIGURE AT RIGHT)



5. HEAT ENDURANCE TEST : REFER TO S-074-5002.

6. INSULATING RESISTANCE: THE INSULATION RESISTANCE SHOULD BE OVER 100MΩ WHEN D.C. 100V IS APPLIED TO THE COIL-CORE, MEANWHILE NO STRUCTURE AND ELECTRIC DEFECTS SHOULD BE FOUND FOR 1 MINUTE.

7. TEMPERATURE FEATURE : INDUCTANCE COEFFICIENT IS (0 ～ 2000)×10^{-6}/℃ (-25 ～+85℃)

8. HUMIDITY TEST : INDUCTANCE DEVIATION IS WITHIN ±5.0% AND NO STRUCTURE AND ELECTRIC DEFECTS CAN BE FOUND AFTER 96 HOURS TEST UNDER THE CONDITION OF RELATIVE HUMIDITY OF 90～95% AND TEMPERATURE OF 40±2℃, AND 1 HOUR STORAGE UNDER ROOM AMBIENT CONDITIONS AFTER THE DEVICE IS WIPED WITH DRY CLOTH.

9. VIBRATION TEST : INDUCTANCE DEVIATION IS WITHIN ±3.0% AFTER 1 HOUR SWEEPING VIBRATION IN EACH THREE DIRECTIONS, NAMELY, FORWARD AND BACKWARD, UP AND DOWN, RIGHT AND LEFT. THE FREQUENCY IS 10～55～10Hz AND THE AMPLITUDE OF 1 MINUTE CYCLE IS 1.5mm PP.

10. SHOCK TEST : INDUCTANCE DEVIATION IS WITHIN ±3.0% AFTER THE TEST WITH GOM-BLOCK SHOCK TESTING MACHINE, ONCE IN EACH OF THE THREE PERPENDICULAR AXIS DIRECTIONS. THE SHOCK ACCELERATION IS 981m/s^2.

1st, Mar., 1999

CHK.	CHK.	DRG.
LIU YUEJIANG	DENG WEISHI	YANG XIANYUS

DRG. NO. 3/5

S-074-6066

sumida

SPECIFICATION

TYPE
CDRH5D28

ELECTRICAL CHARACTERISTICS

NO.	PART NO.	STAMP	INDUCTANCE [WITHIN] ※1	D.C.R. (Ω) [MAX.] (TYP.) (at 20℃)	RATED CURRENT (A) ※2	SUMIDA CODE
1	CDRH5D28-2R5NC	2R5	2.5μH ± 30%	18m (13m)	2.60	4761-0004
2	CDRH5D28-3RØNC	3R0	3.0μH ± 30%	24m (18m)	2.40	4761-0005
3	CDRH5D28-4R2NC	4R2	4.2μH ± 30%	31m (23m)	2.20	4761-0006
4	CDRH5D28-5R3NC	5R3	5.3μH ± 30%	38m (28m)	1.90	4761-0007
5	CDRH5D28-6R2NC	6R2	6.2μH ± 30%	45m (33m)	1.80	4761-0008
6	CDRH5D28-8R2NC	8R2	8.2μH ± 30%	53m (39m)	1.60	4761-0009
7	CDRH5D28-1ØØNC	100	10μH ± 30%	65m (48m)	1.30	4761-0010
8	CDRH5D28-12ØNC	120	12μH ± 30%	76m (56m)	1.20	4761-0011
9	CDRH5D28-15ØNC	150	15μH ± 30%	103m (76m)	1.10	4761-0012
10	CDRH5D28-18ØNC	180	18μH ± 30%	110m (82m)	1.00	4761-0013
11	CDRH5D28-22ØNC	220	22μH ± 30%	122m (90m)	0.90	4761-0002
12	CDRH5D28-27ØNC	270	27μH ± 30%	175m (130m)	0.85	4761-0014
13	CDRH5D28-33ØNC	330	33μH ± 30%	189m (140m)	0.75	4761-0015
14	CDRH5D28-39ØNC	390	39μH ± 30%	212m (157m)	0.70	4761-0016
15	CDRH5D28-47ØNC	470	47μH ± 30%	250m (185m)	0.62	4761-0017
16	CDRH5D28-56ØNC	560	56μH ± 30%	305m (226m)	0.58	4761-0018
17	CDRH5D28-68ØNC	680	68μH ± 30%	355m (263m)	0.52	4761-0019
18	CDRH5D28-82ØNC	820	82μH ± 30%	463m (343m)	0.46	4761-0020
19	CDRH5D28-1Ø1NC	101	100μH ± 30%	520m (385m)	0.42	4761-0021

※1 MEASURING FREQUENCY INDUCTANCE at 10kHz

※2 THE RATED CURRENT INDICATES THE CURRENT WHEN THE INDUCTANCE DECREASES TO 65% OF INITIAL VALUE OR DC CURRENT WHEN THE TEMPERATURE OF COIL IS INCREASED BY 30℃. THE SMALLER ONE IS DEFINED AS RATED CURRENT. (Ta=20℃)

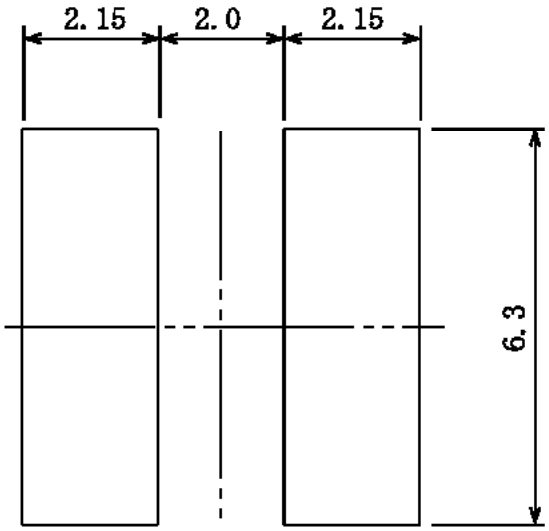
1st, Mar., 1999	SUMIDA CODE	4761	
CHK.	CHK.	DRG.	DRG. NO. 4/5
LIU YUEJIANG	DENG WEISHI	YANG XIANYU S	S-074-6066

sumida

SPECIFICATION

TYPE
CDRH5D28

DIMENSION RECOMMENDED (mm)



1st, Mar., 1999

CHK.	CHK.	DRG.
LIU YUEJIANG	DENG WEISHI	YANG XIANYU S

DRG. NO.	5/5
S-074-6066	

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