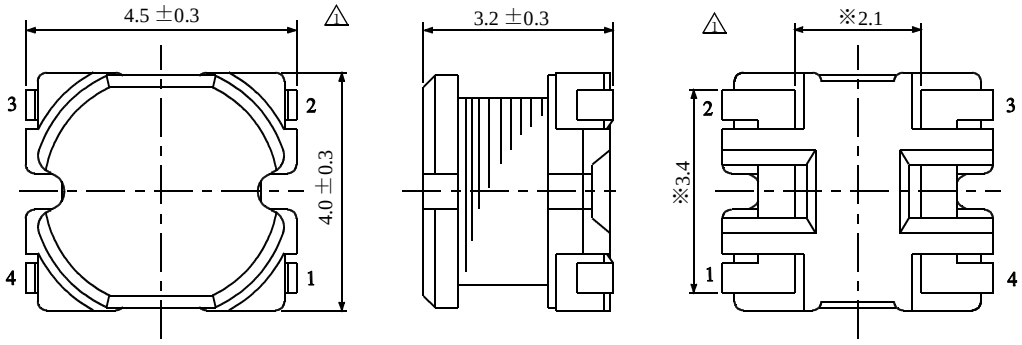
| | SPECIFICATION | CUSTOMER: |
|---|---|---|
| | SUMIDA TYPE CR43 | PART NO. REF. TO THE ATTACHED SHEET. |

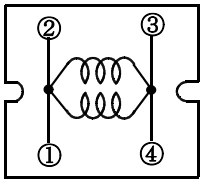
1.DIMENSION (UNIT mm)



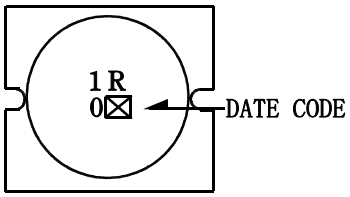

※ DIMENSION OF TERMINAL IS TYPICAL.

2.CONNECTION (BOTTOM)

△1




3. STAMP (Ex.)

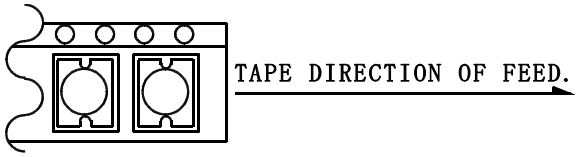



DIRECTLY STAMP
UNFIXED THE POSITION

4. NOTE

＊ RECOMMENDED REFLOW CONDITIONS ARE BASED ON S-074-5003.

＊ ENCLOSING CONDITION OF COILS.




＊ CARRIER TAPE PACKING SPECIFICATION IN DETAIL. (S-074-5050)

| 26th, Oct., 1998 | | | SUMIDA CODE | |
|---|---|---|---|---|
| CHK. | CHK. | DRG. | | DRG. NO. 2/5 |
| GUOGAO | DENG | TIEN X | | S-074-6056 |

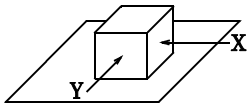
sumida

| GENERAL CHARACTERISTICS | TYPE<br>CR43 |
|---|---|

1.OPERATING TEMPERATURE RANGE: -30°C～+100°C(INCLUDING COIL HEAT)

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

3.TERMINAL STRENGTH : NO TERMINAL DETACHMENT SHOULD BE FOUND WHEN THE DEVICE IS PUSHED IN TWO DIRECTIONS OF X AND Y WITH THE FORE OF 5.0N FOR 60±5 SECONDS AFTER SOLDERING BETWEEN COPPER PLATE AND THE TERMINALS.
(REFER TO FIGURE AT RIGHT)




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

5.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 IN 1 MINUTE.

6.TEMPERATURE FEATURE : INDUCTANCE COEFFICIENT IS (0 ～1200 )×$10^{-6}$/°C (-25～+90°C )

7.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°C, AND 1 HOUR STORAGE UNDER ROOM AMBIENT CONDITIONS AFTER THE DEVICE IS WIPED WITH DRY CLOTH.

8.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.

9.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/$s^2$.

26th, Oct., 1998

| CHK. | CHK. | DRG. |
|---|---|---|
| GUOGAO | DENG | TIEN X |

DRG. NO. 3/5

S-074-6056

sumida

| SPECIFICATION | TYPE CR43 |
|---|---|

ELECTICAL CHARACTERISTICS

| NO. | PART NO. | STAMP | INDUCTANCE [WITHIN] ※1 | D.C.R. (mΩ) [MAX.] (at 20°C) (TYPICAL VALUE) | RATED CURRENT (A) ※2 | S.R.F. (MHz) [TYP.] △2 | SUMIDA CODE |
|---|---|---|---|---|---|---|---|
| 01 | CR43-1RØMC | 1R0 | 1.0μH ± 20 % | 48.7 | 2.56 | 152.8 | 4757-0012 |
| 02 | CR43-1R4MC | 1R4 | 1.4μH ± 20 % | 56.2 | 2.52 | 112.7 | 4757-0013 |
| 03 | CR43-1R8MC | 1R8 | 1.8μH ± 20 % | 63.7 | 1.95 | 77.8 | 4757-0014 |
| 04 | CR43-2R2MC | 2R2 | 2.2μH ± 20 % | 71.2 | 1.75 | 68.3 | 4757-0015 |
| 05 | CR43-2R7MC | 2R7 | 2.7μH ± 20 % | 78.7 | 1.58 | 64.0 | 4757-0016 |
| 06 | CR43-3R3MC | 3R3 | 3.3μH ± 20 % | 86.2 | 1.44 | 60.0 | 4757-0017 |
| 07 | CR43-3R9MC | 3R9 | 3.9μH ± 20 % | 93.7 | 1.33 | 52.6 | 4757-0018 |
| 08 | CR43-4R7MC | 4R7 | 4.7μH ± 20 % | 108.7 | 1.15 | 49.3 | 4757-0019 |
| 09 | CR43-5R6MC | 5R6 | 5.6μH ± 20 % | 125.7 | 0.99 | 44.2 | 4757-0020 |
| 10 | CR43-6R8MC | 6R8 | 6.8μH ± 20 % | 131.2 | 0.95 | 42.3 | 4757-0021 |
| 11 | CR43-8R2MC | 8R2 | 8.2μH ± 20 % | 146.2 | 0.84 | 34.8 | 4757-0022 |

※1:MEASURED FREQUENCY L 1.0μH ～ 8.2μH ; at 7.96 MHz

※2:THE RATED CURRENT INDICATES THE LOWER VALUE OF CURRENT WHEN THE INDUCTANCE IS 10% LOWER THAN ITS INITIAL VALUE AT D.C. SUPERPOSITION OR THE TEMPERATURE OF COIL RISES 40°C WITH D.C. CURRENT PASSING.(Ta=20°C)

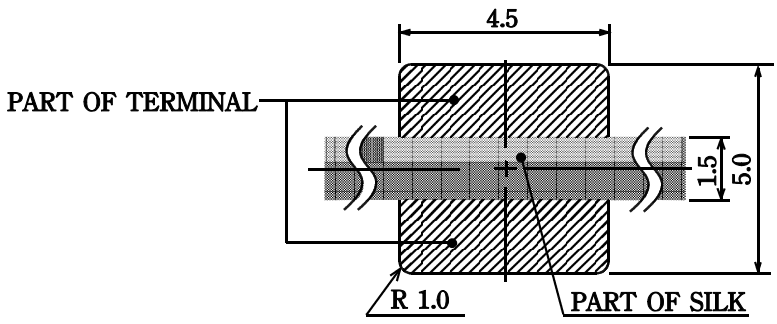
| 26th, Oct., 1998 | SUMIDA CODE | |
|---|---|---|

| CHK. | CHK. | DRG. | | DRG. NO. 4/5 |
|---|---|---|---|---|
| GUOGAO | DENG | TIEN X | | S-074-6056 |

sumida

| SPECIFICATION | TYPE<br>CR43 |
|---|---|

DIMENSION RECOMMENDED (mm)




PLEASE COAT TERMINAL INTERVALS WITH SILK.

THICKNESS OF METALMASK RECOMMENDED: 0.15t.

26th, Oct., 1998

| CHK. | CHK. | DRG. |
|---|---|---|
| GUOGAO | DENG | TIEN<br>X |

DRG. NO. 5/5

S-074-6056

sumida