

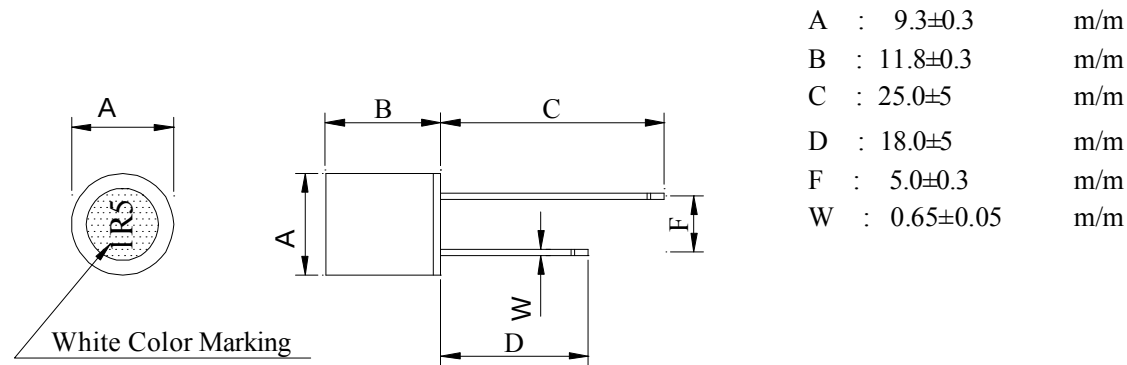
SPECIFICATION FOR APPROVAL

REF :

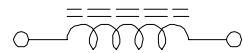
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|---------------|-----------------|----------------|------------------|
| PROD.<br>NAME | RADIAL INDUCTOR | ABC'S DWG NO.  | RH0912□□□□L□-□□□ |
|               |                 | ABC'S ITEM NO. |                  |

CONFIGURATION & DIMENSIONS :

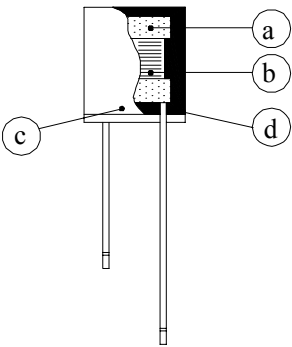


SCHEMATIC DIAGRAM :



MATERIALS :

- a . Core : Ferrite DR core
- b . Wire : Enamelled copper wire (class F)
- c . Housing : PBT-4130 UL94V-0
- d . Adhesive : Epoxy resin
- e . Remark : Products comply with RoHS' requirements



GENERAL SPECIFICATION :

- a . Temp. rise : 20 max. at rated current.
- b . Storage temp. : -25 ---- +85
- c . Operating temp. : -20 ---- +80

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## . ELECTRICAL CHARACTERISTICS :

| DWG No.          | Inductance<br>( $\mu$ H) | Q<br>ref. | Test Freq. ( Hz ) |        | SRF<br>( MHz )<br>typ. | RDC<br>( $\Omega$ )<br>max. | IDC<br>( A )<br>max. |
|------------------|--------------------------|-----------|-------------------|--------|------------------------|-----------------------------|----------------------|
|                  |                          |           | L                 | Q      |                        |                             |                      |
| RH09121R5ML□-□□□ | 1.5 $\pm$ 20%            | 30        | 1K                | 7.960M | 78.0                   | 0.008                       | 5.40                 |
| RH09122R2ML□-□□□ | 2.2 $\pm$ 20%            | 30        | 1K                | 7.960M | 63.0                   | 0.010                       | 4.50                 |
| RH09123R3ML□-□□□ | 3.3 $\pm$ 20%            | 30        | 1K                | 7.960M | 50.0                   | 0.018                       | 3.60                 |
| RH09124R7ML□-□□□ | 4.7 $\pm$ 20%            | 30        | 1K                | 7.960M | 41.0                   | 0.022                       | 3.10                 |
| RH09126R8ML□-□□□ | 6.8 $\pm$ 20%            | 30        | 1K                | 7.960M | 33.0                   | 0.028                       | 2.50                 |
| RH0912100KL□-□□□ | 10.0 $\pm$ 10%           | 60        | 1K                | 2.520M | 27.0                   | 0.043                       | 2.10                 |
| RH0912150KL□-□□□ | 15.0 $\pm$ 10%           | 50        | 1K                | 2.520M | 21.0                   | 0.056                       | 1.70                 |
| RH0912220KL□-□□□ | 22.0 $\pm$ 10%           | 50        | 1K                | 2.520M | 17.0                   | 0.086                       | 1.40                 |
| RH0912330KL□-□□□ | 33.0 $\pm$ 10%           | 45        | 1K                | 2.520M | 13.0                   | 0.140                       | 1.10                 |
| RH0912470KL□-□□□ | 47.0 $\pm$ 10%           | 40        | 1K                | 2.520M | 11.0                   | 0.170                       | 0.96                 |
| RH0912680KL□-□□□ | 68.0 $\pm$ 10%           | 35        | 1K                | 2.520M | 9.0                    | 0.280                       | 0.79                 |
| RH0912101KL□-□□□ | 100.0 $\pm$ 10%          | 55        | 1K                | 0.796M | 7.2                    | 0.330                       | 0.66                 |
| RH0912151KL□-□□□ | 150.0 $\pm$ 10%          | 40        | 1K                | 0.796M | 5.7                    | 0.560                       | 0.53                 |
| RH0912221KL□-□□□ | 220.0 $\pm$ 10%          | 30        | 1K                | 0.796M | 4.5                    | 0.720                       | 0.44                 |
| RH0912331KL□-□□□ | 330.0 $\pm$ 10%          | 25        | 1K                | 0.796M | 3.6                    | 1.100                       | 0.36                 |
| RH0912471KL□-□□□ | 470.0 $\pm$ 10%          | 25        | 1K                | 0.796M | 2.9                    | 1.700                       | 0.30                 |
| RH0912681KL□-□□□ | 680.0 $\pm$ 10%          | 25        | 1K                | 0.796M | 2.3                    | 2.300                       | 0.25                 |
| RH0912102KL□-□□□ | 1000.0 $\pm$ 10%         | 55        | 1K                | 0.252M | 1.9                    | 4.300                       | 0.20                 |

1). □ : Package information ... ☐A : Bulk    ☐B : Taping / Reel

2). "-□□□":Reference code

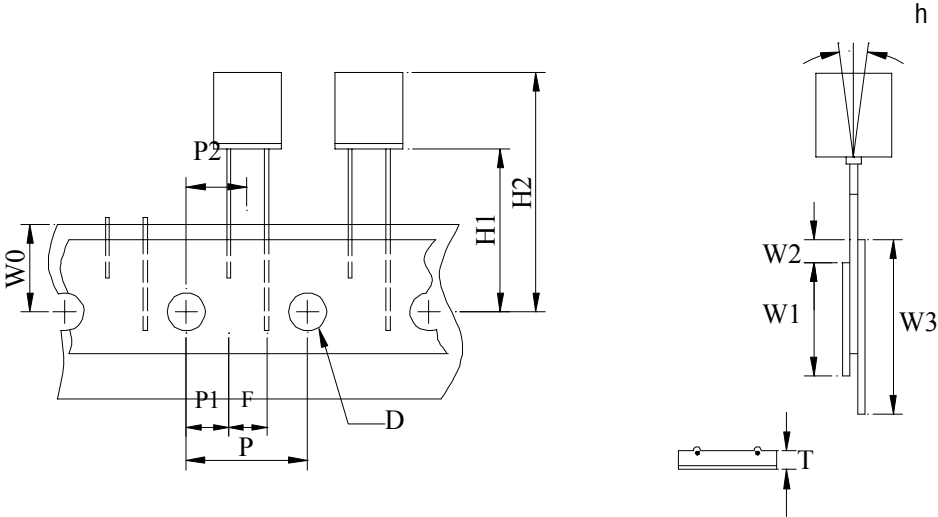
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|               |                 | ABC'S ITEM NO. |                  |

TYPED PACKAGE DIMENSIONS :



| Item                                  | Symbol | Specification |           |       |           |
|---------------------------------------|--------|---------------|-----------|-------|-----------|
|                                       |        | Milimeter     |           | Inch  |           |
|                                       |        | Size          | Tolerance | Size  | Tolerance |
| Tape feed hole diameter               | D      | 4.00          | ±0.20     | 0.157 | ±0.008    |
| Component lead pitch                  | F      | 5.00          | ±0.50     | 0.200 | ±0.020    |
| Front-to-rear deelecton               | h      | 2.00          | max.      | 0.079 | max.      |
| Feed hole to bottom of component      | H1     | 18.50         | ±0.80     | 0.728 | ±0.040    |
| Feed hold to overall component height | H2     | 30.30         | ±1.00     | 1.083 | ±0.040    |
| Feed hole pitch                       | P      | 12.70         | ±0.30     | 0.500 | ±0.012    |
| Lead location                         | P1     | 3.85          | ±0.70     | 0.152 | ±0.028    |
| Center of component location          | P2     | 6.35          | ±1.30     | 0.250 | ±0.051    |
| Overall taped package thinkness       | T      | 1.42          | max.      | 0.056 | max.      |
| Feed hole location                    | W0     | 9.00          | ±0.50     | 0.354 | ±0.020    |
| Adhesive tape width                   | W1     | 15.00         | ±0.50     | 0.598 | ±0.020    |
| Adhesive tape position                | W2     | 4.00          | max.      | 0.157 | max.      |
| Tape wide                             | W3     | 18.00         | ±0.50     | 0.709 | ±0.020    |

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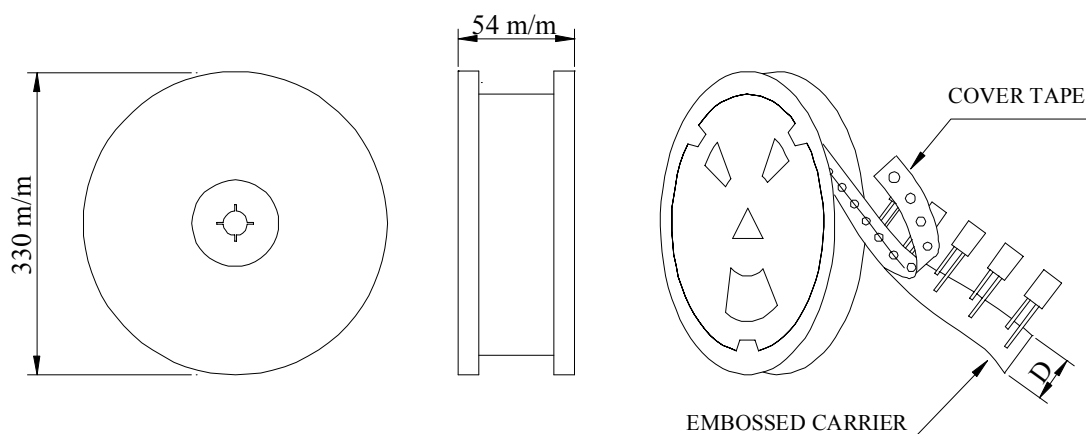
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|---------------|-----------------|----------------|------------------|
| PROD.<br>NAME | RADIAL INDUCTOR | ABC'S DWG NO.  | RH0912□□□□L□-□□□ |
|               |                 | ABC'S ITEM NO. |                  |

PACKAGING NO. : B

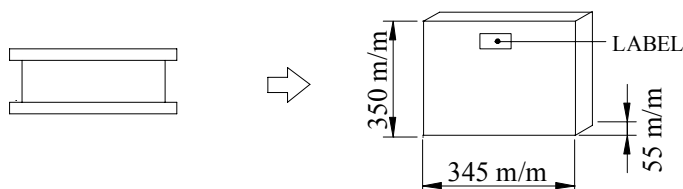
REEL : 500 PCS

PACKAGING INFORMATION :

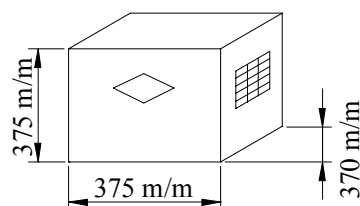
1、 INTERNAL PACKAGING : 500PCS / R



2、 MIDDLE PACKAGING : 1 R / BOX



3、 EXTERNAL PACKAGING : 6 BOX / CARTON



Q'TY & G.W.PER PACKAGEING :

| DWG NO. | INNER : REEL |          |             | OUTER : CARTON |          |                |
|---------|--------------|----------|-------------|----------------|----------|----------------|
|         | Q'TY(PCS)    | G.W.(gw) | STYLE (m/m) | Q'TY(PCS)      | G.W.(Kg) | SIZE (cm)      |
| RH0912  | 500          | 1100     | 13-54       | 3000           | 7.20     | 37.5x37.0x37.5 |

AR-001A

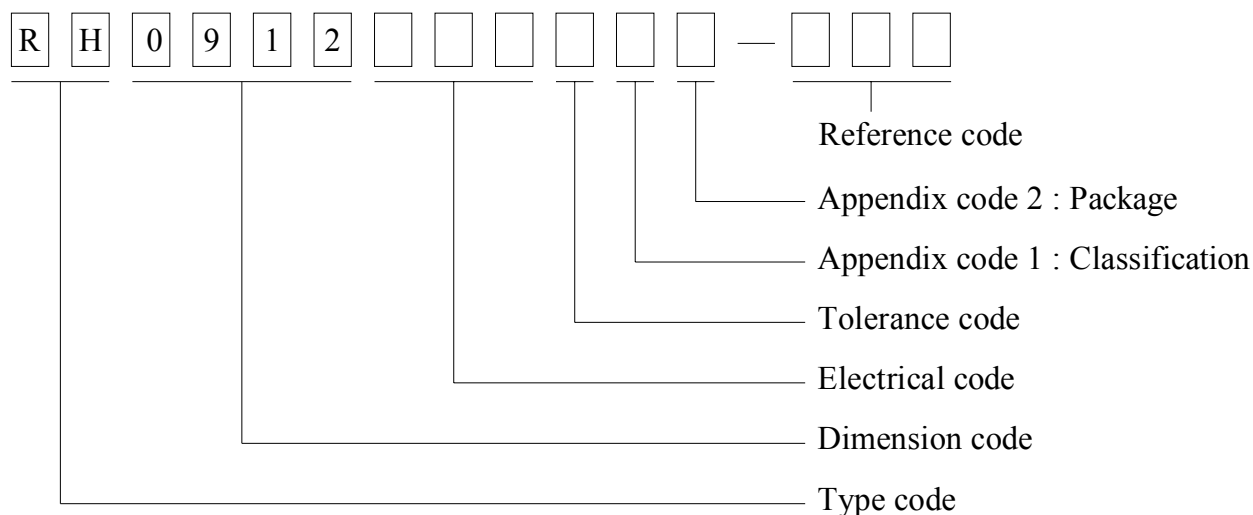
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|               |                 | ABC'S ITEM NO. |                  |

. DWGING NUMBER EXPRESSION :



Appendix code 1 : Product Classification

L : Lead Free Standard products comply with RoHS' requirements

1 ~ 9 : Lead Free Special products comply with RoHS' requirements

Appendix code 2 : Package Information

| Code | Inner package          | Inner package Q'TY | Remark |
|------|------------------------|--------------------|--------|
| A    | T.B.D.                 | T.B.D.             |        |
| B    | T / R ( Reel package ) | 500 pcs            |        |
| C    | Bag                    | 200 pcs            |        |
| D    | T / B ( Box package )  | 1000 pcs           |        |

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| PROD. | RADIAL INDUCTOR | ABC'S DWG NO.  | RH0912□□□□L□-□□□ |
| NAME  |                 | ABC'S ITEM NO. |                  |

. UL CARD :

OBMW2September 8, 2000

Magnet Wire-Component

JUNG SHING WIRE CO LTD231 CHUNG CHENG RD, SEC 3 JEN-TEH HSIANG, TAINANHSIEN TAIWAN

E174837

| Mtl Dsg     | Mark Dsg | BC                 | Coat Typ           | OC | ANSI Type | Temp Class |
|-------------|----------|--------------------|--------------------|----|-----------|------------|
| AIW         | —        | Polyamideimide     | —                  | —  | MW81-C    | 220        |
| CFUEWB      | —        | Polyurethane       | —                  | —  | MW75C     | 130        |
| EIAIW       | —        | Polyesterimide     | Polyamideimide     | —  | MW35C     | 200        |
| EILOCKY     | —        | Polyesterimide     | Polyamide          | —  | —         | 180        |
| EILOCKW     | —        | Polyesterimide     | Modified Epoxy     | —  | —         | 200        |
| EIW         | —        | Polyesterimide     | —                  | —  | —         | 220        |
| EIW-2       | —        | Polyesterimide     | —                  | —  | MW74-C    | 200        |
| FL.EILOCKY  | —        | Modified Polyester | Polyamide          | —  | —         | 155        |
| LSFFW       | —        | Polyurethane       | —                  | —  | MW79-C    | 155        |
| LSUEW       | —        | Polyurethane       | —                  | —  | —         | 130        |
| PEW         | —        | Polyester          | —                  | —  | —         | 155        |
| PEY         | —        | Polyester          | Nylon              | —  | MW24-C    | 155        |
| SF.FLW      | —        | Modified Polyester | —                  | —  | MW26C     | 155        |
| SF.EIW      | —        | Polyesterimide     | —                  | —  | MW77C     | 180        |
| SF.BY@      | —        | Modified Polyester | Nylon              | —  | MW27-C    | 155        |
| SF.FLY@     | —        | Modified Polyester | Nylon              | —  | MW27-C    | 155        |
| SF.BLOCKBS  | —        | Modified Polyester | Modified Polyamide | —  | —         | 155        |
| SF.EILOCKY# | —        | Polyesterimide     | Polyamide          | —  | —         | 180        |
| SF.EILOCKBS | —        | Polyesterimide     | Modified Polyamide | —  | —         | 180        |
| SF.BW@      | —        | Modified Polyester | —                  | —  | MW26C     | 155        |
| SFFW        | —        | Polyurethane       | —                  | —  | MW79      | 155        |

287806002

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A not-for-profit organization dedicated to public safety and committed to quality service

| Mtl Dsg | Mark Dsg | BC           | Coat Typ  | OC | ANSI Type | Temp Class |
|---------|----------|--------------|-----------|----|-----------|------------|
| SFFY    | —        | Polyurethane | Polyamide | —  | MW80C     | 155        |
| UEW-1   | —        | Polyurethane | —         | —  | MW2-C     | 105        |
| UEW-2   | —        | Polyurethane | —         | —  | —         | 130        |
| UEW-4   | —        | Polyurethane | —         | —  | MW75C     | 130        |
| UEY     | —        | Polyurethane | Nylon     | —  | MW28-C    | 130        |
| UEY-2   | —        | Polyurethane | Polyamide | —  | MW28-C    | 130        |

@-May be suffixed by LZ; # - May be suffixed by LZ, EL or LZL

LZ - Signifies magened wires twisted together; EL - signifies base coated magnet wire laid parallel with top coat applied overall; LZL - signifies base coated magnet wire twisted together and covered with top coat overall.

Marking: Company name or trademarks JSW or 榮星電線 , material designation or marked designation on packaed or reel, and Recognized Component Mark.

See General Information Preceding These Recognitions

For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

287806002

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OBMW2E174837September 8 , 2000