






**SPECIFICATION FOR APPROVAL**

DESCRIPTION :           SMD INDUCTOR            
 SPECIFICATION :           SCDS2D18HP-2R2M-N            
 PART NO. :           FWSMD2D18HP-2R2M-N            
 ISSUE DATE :           11 November 2022          

<b>MANUFACTURER APPROVAL</b>		
<b>PREPARED</b>	<b>CHECKED</b>	<b>APPROVED</b>
		

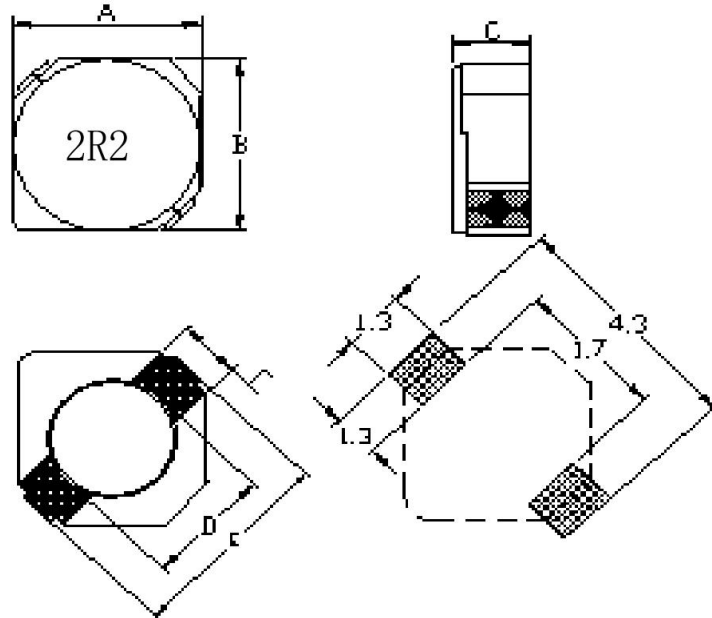
<b>CUSTOMER APPROVAL</b>		
<b>RECEIPT</b>	<b>CHECKED</b>	<b>APPROVED</b>

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www.ferriwo.com	sales@ferriwo.com






# SPECIFICATION

## 1. PHYSICAL DIMENSION(UNIT: m/m):

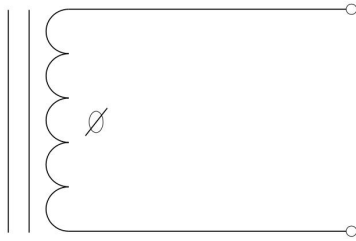


※DIMENSIONS WITHOUT TOLERANCE ARE APPROX  
 ※DIMENSION DOES NOT INCLUDE SOLDER USED ONCOILS

**LEAD FREE**




DIM	A	B	C	D	E	F	G	H				
	MAX	MAX	MAX	REF	REF	REF						
SPEC	3.2	3.2	2.0	2.1	4.3	1.0						
						DESCRIPTION		SMD INDUCTOR				
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						FERRIWO P/N		FWSMD2D18HP-2R2M-N				
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## 2.WINDING TABLE:



## 3.GENERAL SPECIFICATION:

1. Tested at 100KHz, 1Vrms, 0 Adc.
2. DC current at which the inductance drops 35% from its value without current.
3. Average current for 40°C temperature rise from 20°C.
4. Electrical specifications at: 20°C
5. Storage temp range: -40°C ---- +125°C
6. Operating temp range: -40°C ---- +85°C

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## 4. ELECTRONICAL CHARACTERISTIC:

TEST CONDITION : TEMPERATURE AT 25°C

HUMIDITY AT 65 ±5% RH

TEST ITEM	TEST CONDITION	RESULT
INDUCTANCE CH-3250	@100KHz,0.1V (1~2)	2.2±20%
D.C.R CH-502	(1~2)	60mΩ MAX
IDC TH1773	(1~2)	$\Delta L/L \leq 35\%$ @I=1.6A

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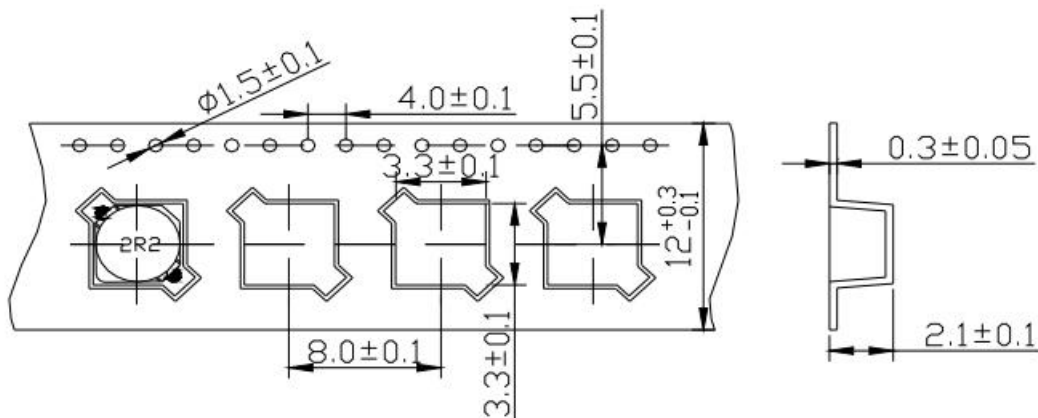


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## 5. PACKAGE:

### 1、 Reel Dimension & Tape Dimension



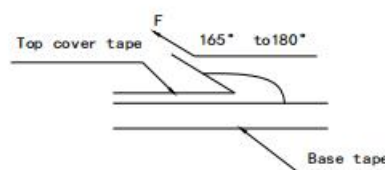
### 2、 Packaging Quantity

SERIES	1 REEL		INNER CARTON		MIDDLE CARTON			OUTER CARTON		
	QTY(PCS)	REEL	QTY (PCS)	SIZE(mm)	REEL	QTY (PCS)	SIZE(mm)	REEL	QTY (PCS)	SIZE(mm)
MDRH2D18	3000	5	15000	345*340*70				10	30000	360*350*156

### 3、 Tearing off Force

The force for tearing off cover tape is 5 to 120 grams in the arrow direction under the following conditions.

Room Temp (°C)	Room Humidity (%)	Room aim (hpa)	Room Speed (mm/min)
5-35	45-85	860-1060	300



### Application Notice

#### Storage Conditions

To maintain the solderability of terminal electrodes:

- 1、 Temperature and humidity conditions: Less than 40°C and 70% RH.
- 2、 Recommended products should be used within 6 months from the time of delivery.
- 3、 The packaging material should be kept where no chlorine or sulfur exists in the air.

#### Transportation

- 1、 Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
- 2、 The use of tweezers or vacuum pick ups is strongly recommended for individual components.
- 3、 Bulk handling should ensure that abrasion and mechanical shock are minimized.

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