

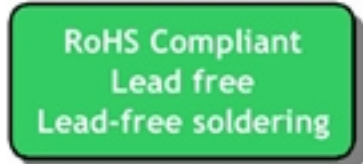
# Dielectric filter 915 MHz

MODEL NO.: TR0016A

REV. NO.:1

## A. MAXIMUM RATING:

1. Input Power Level: 1 W
2. DC Voltage : 0 V
3. Operating Temperature: -40 °C to +85 °C
4. Storage Temperature:-40 °C to +85 °C
5. Moisture Sensitivity Level: MSL 2a



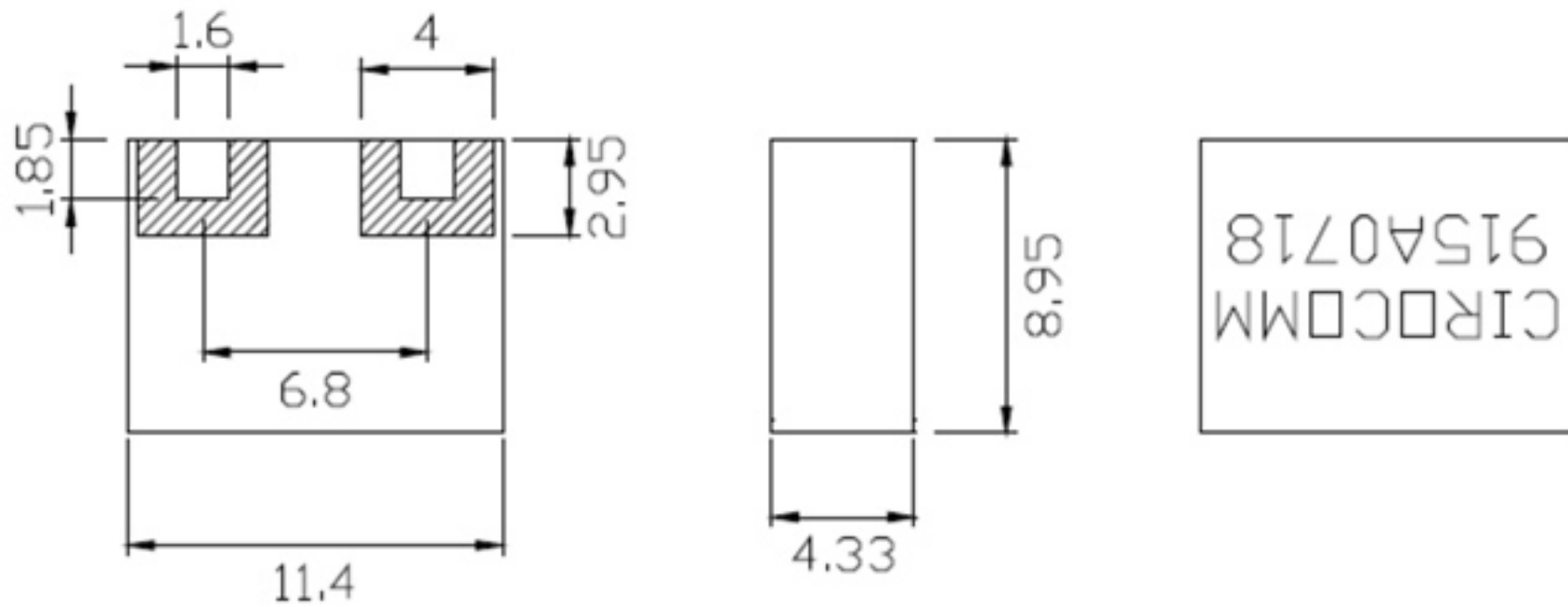
Electrostatic Sensitive Device

## B. ELECTRICAL CHARACTERISTICS:

In/Out Put Impedance: 50 Ω

Item	Unit	Min	Typ	Max
Central Frequency Fc	MHz		915	
Band Width	MHz		26	
Insertion Loss (902 ~ 928 MHz)	dB		2.0	2.5
Pass Band Ripple (902 ~ 928 MHz)	dB		1.0	1.2
Return Loss (902 ~ 928 MHz)	dB	10	13	
<b>Attenuation</b> (Reference level from 0 dB)				
850 MHz	dB	24	30	
895 MHz	dB	5	7	
1800 ~ 1990 MHz	dB	15	18	

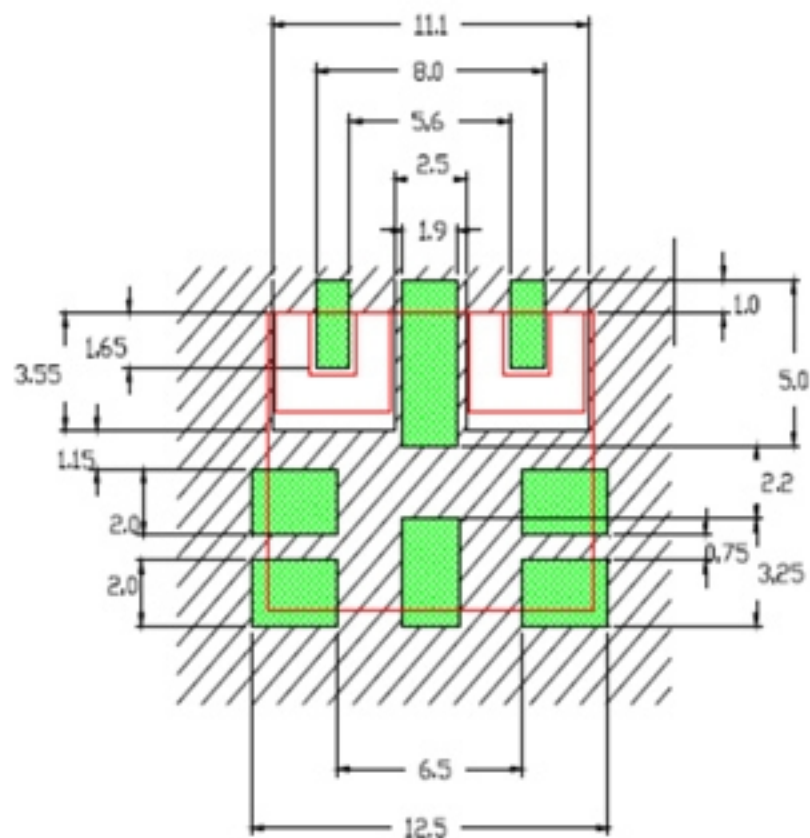
**C. OUTLINE DRAWING:**


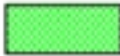



Unit:mm  
Tolerance:±0.25

915 : product name(J915A)  
07 : month  
18 : year (2018)

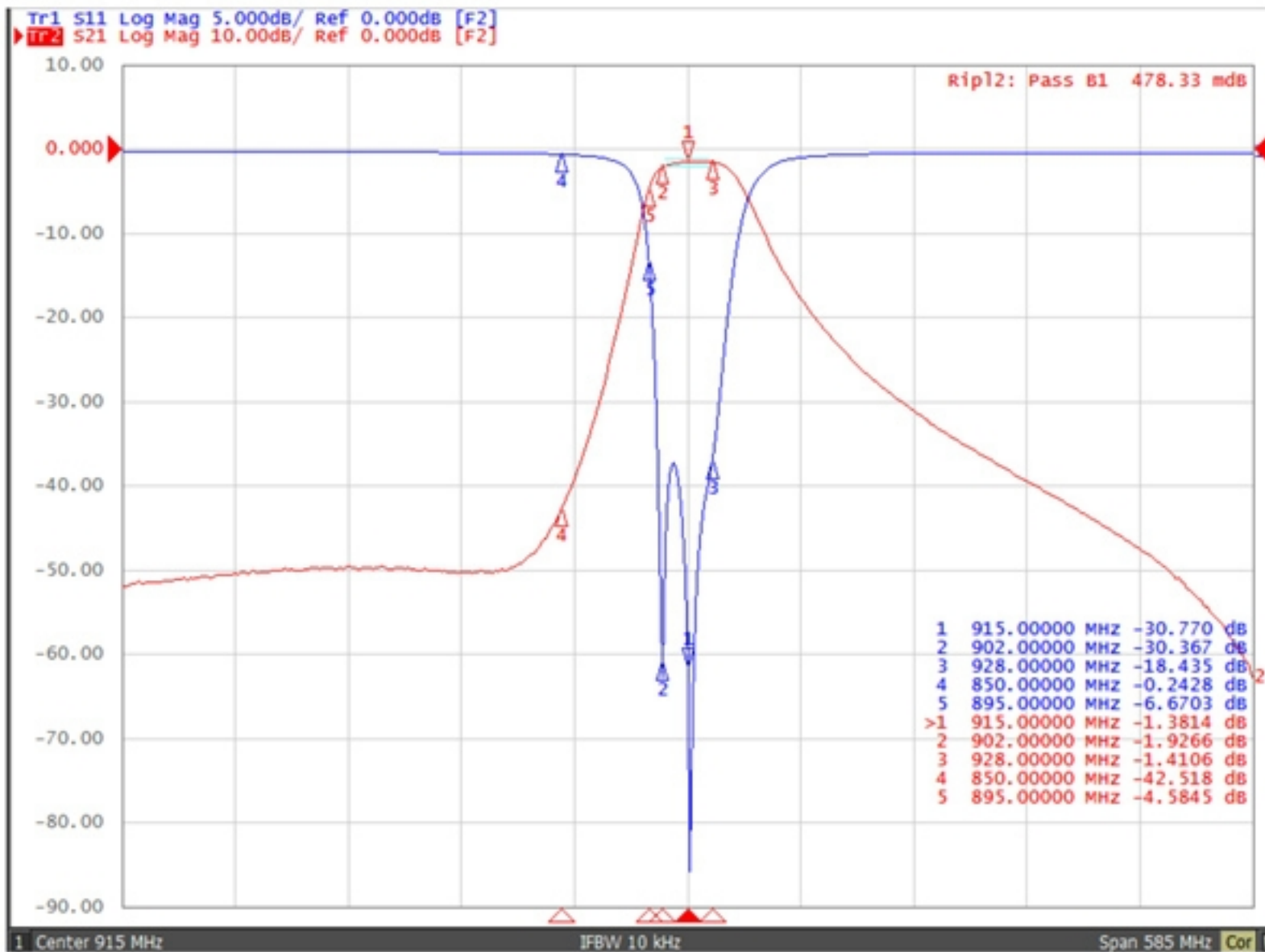
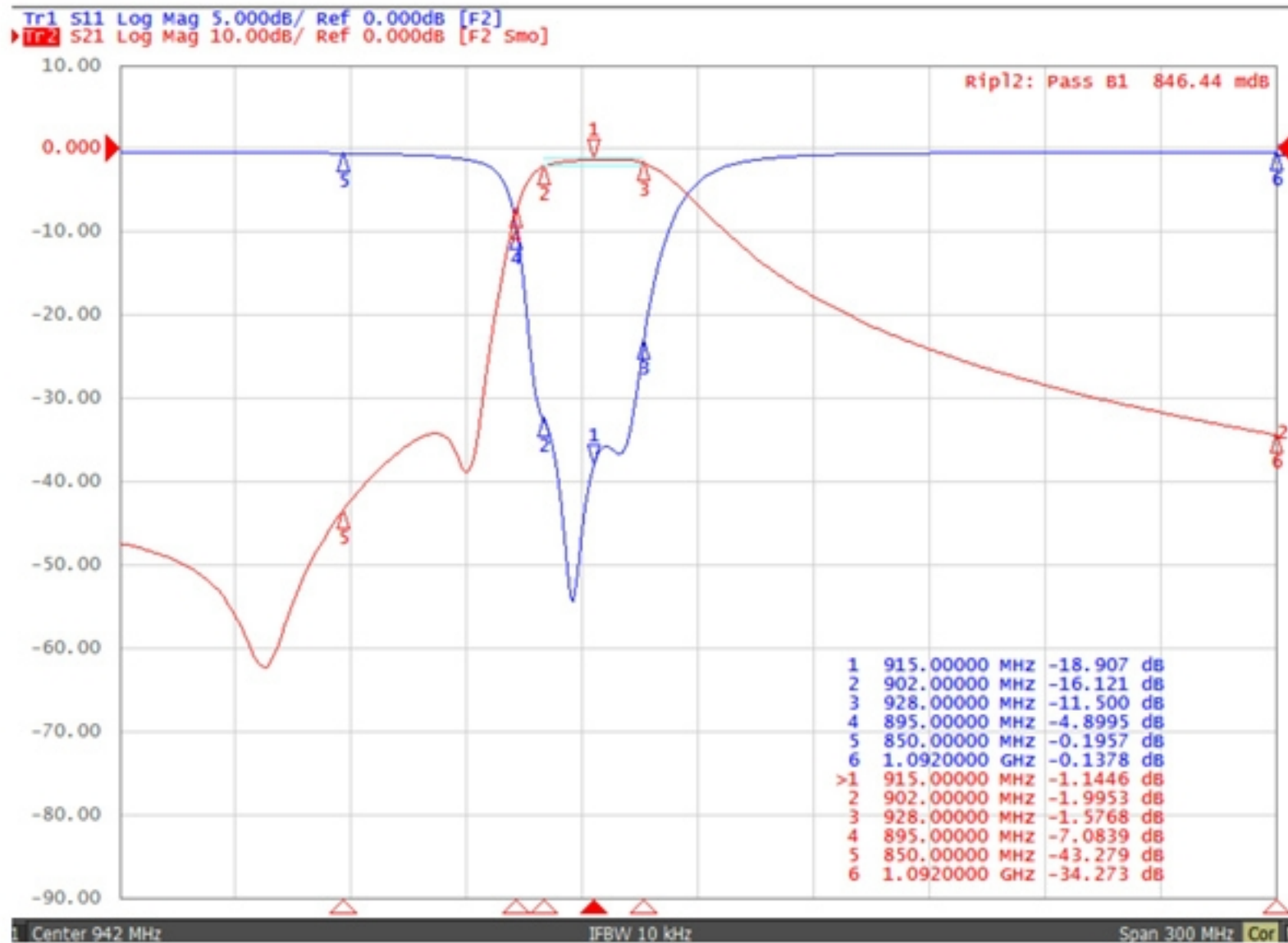
**D. PCB FOOTPRINT:**



-  Conductive Material:  
Ground, connected to lower ground diameter of 0.3mm and max.distance of 1.0mm
-  I/O Pads and LAND  
I/O must be connected to lines with 50Ω impedance. In the application termination of 50Ω must be realized.
-  Solder Resist Without Pattern

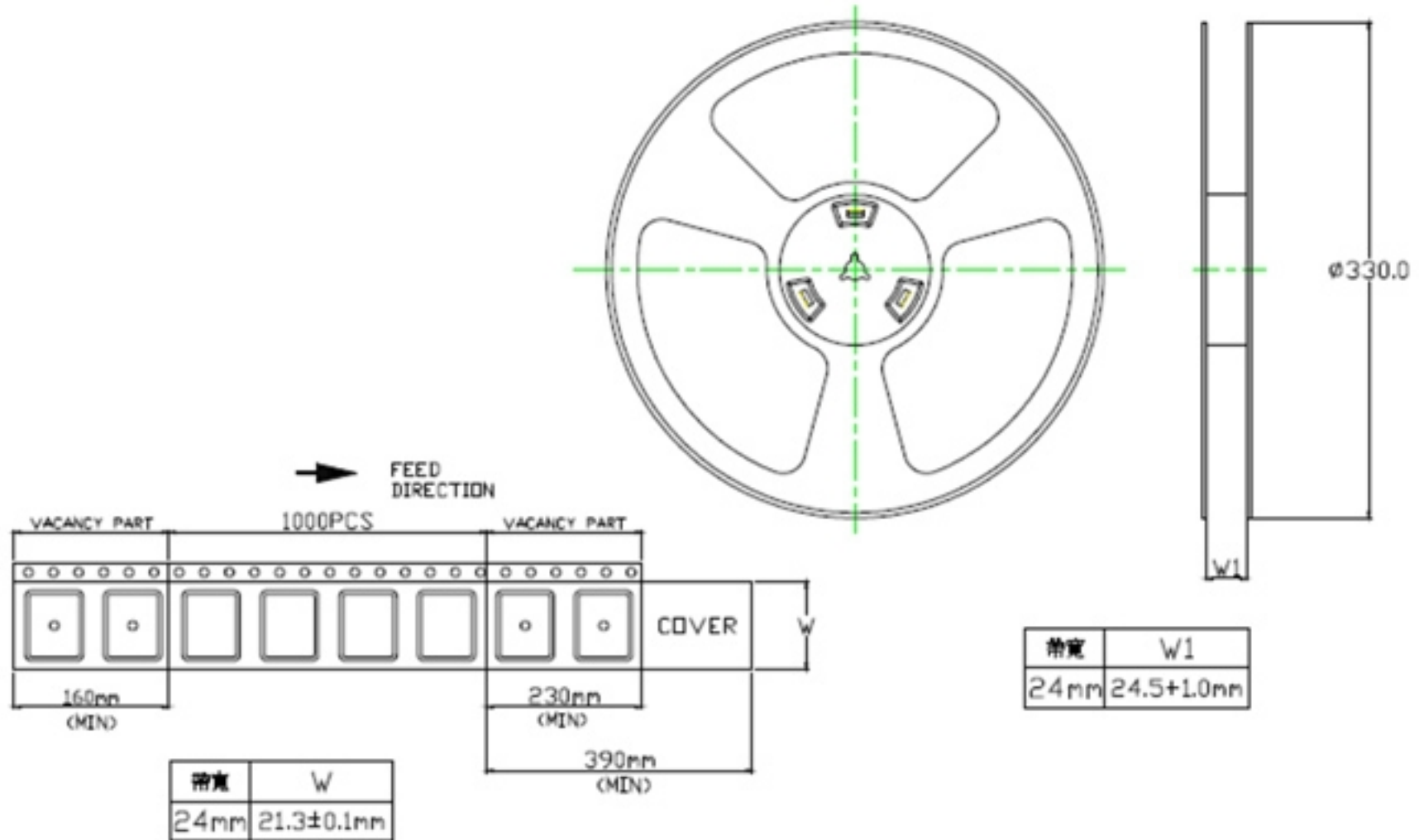
Unit:mm  
Tolerance:±0.2

## E. FREQUENCY CHARACTERISTICS:

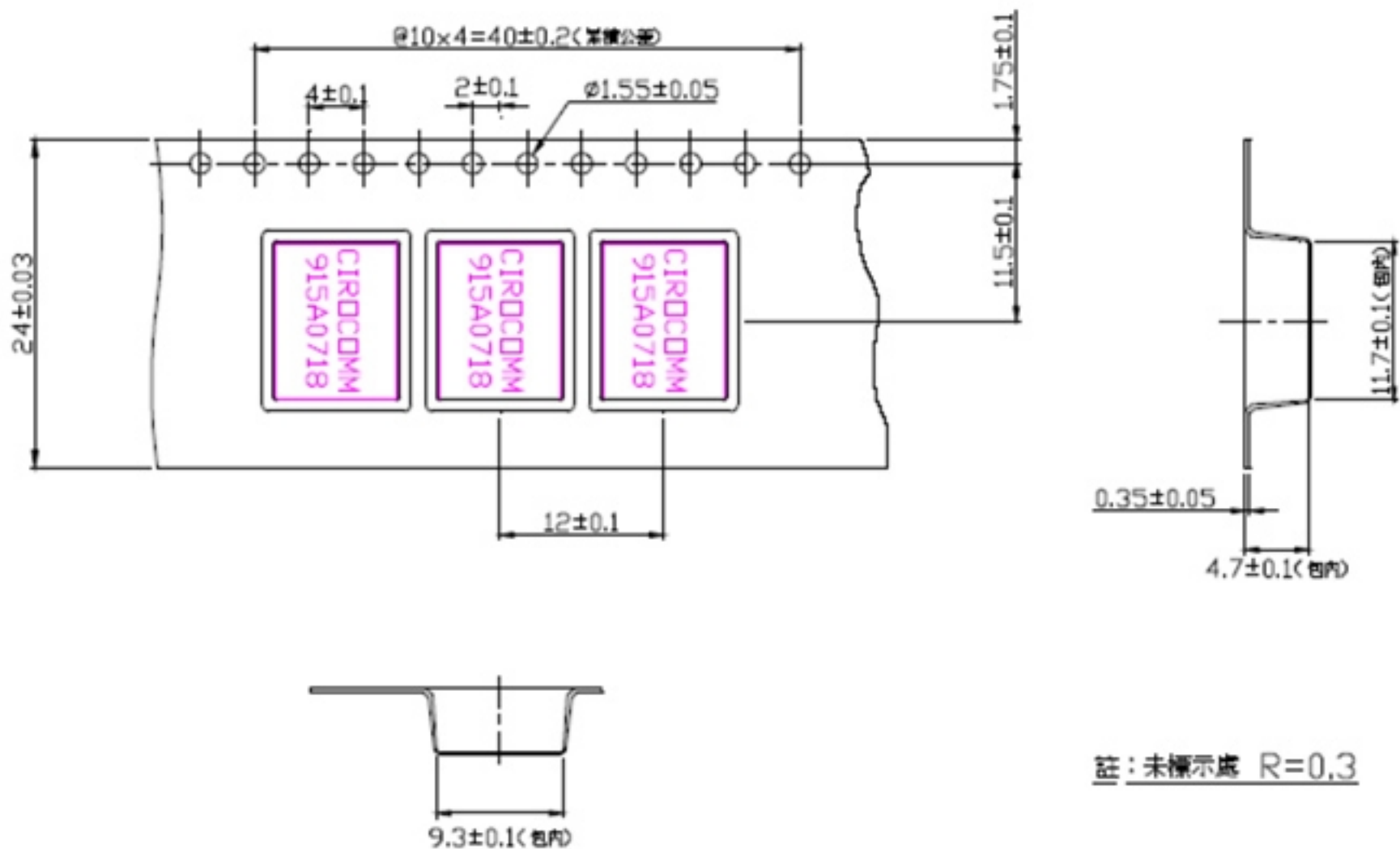


## F. RECOMMENDED REFLOW PROFILE:

1. REEL DIMENSION (Please refer to FR-75D10 for packing quantity)



## 2. TAPE DIMENSION



### **G. RECOMMENDED REFLOW PROFILE:**

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C +0/-5°C peak (20~40sec).
4. Time: 2 times.

