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Product Specifications Approval Sheet

Product Description: 915MHz 26MHzBW SMD 11.4x8.95 mm Dielectric Filter

TST Parts No.: TR0016A

Customer Parts No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Kazuma Lee *Kazuma Lee*

Approved by: _____ Andy Yu *Andy Yu*

Date: _____ 09 / 09 / 2018

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.

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

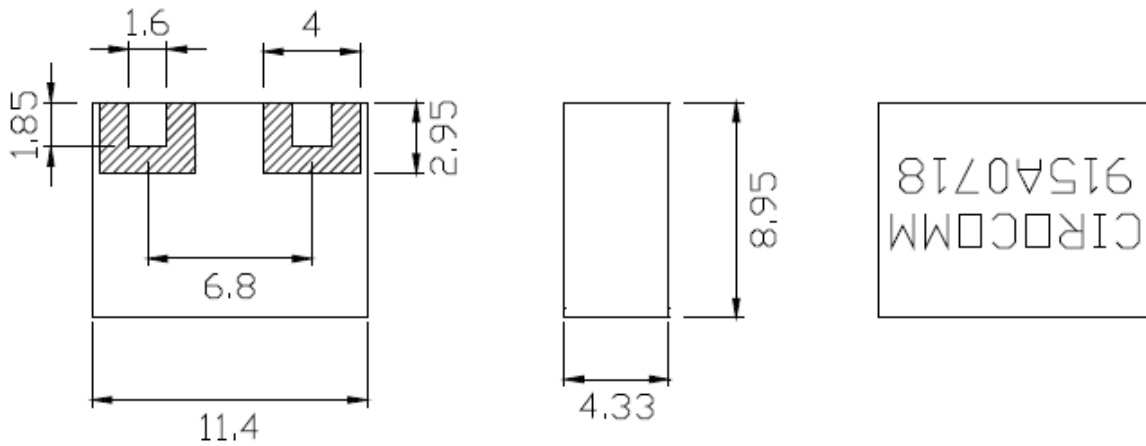
 RoHS Compliant
 Lead free
 Lead-free soldering

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	
Attenuation (Reference level from 0 dB)				
850 MHz	dB	24	30	
895 MHz	dB	5	7	
1800 ~ 1990 MHz	dB	15	18	

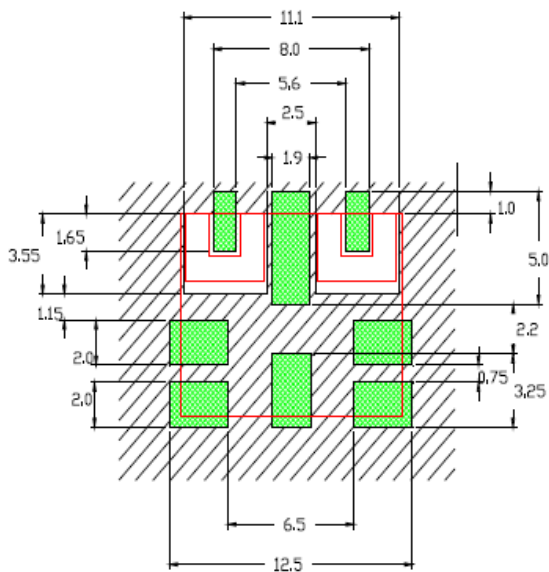
C. OUTLINE DRAWING:



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



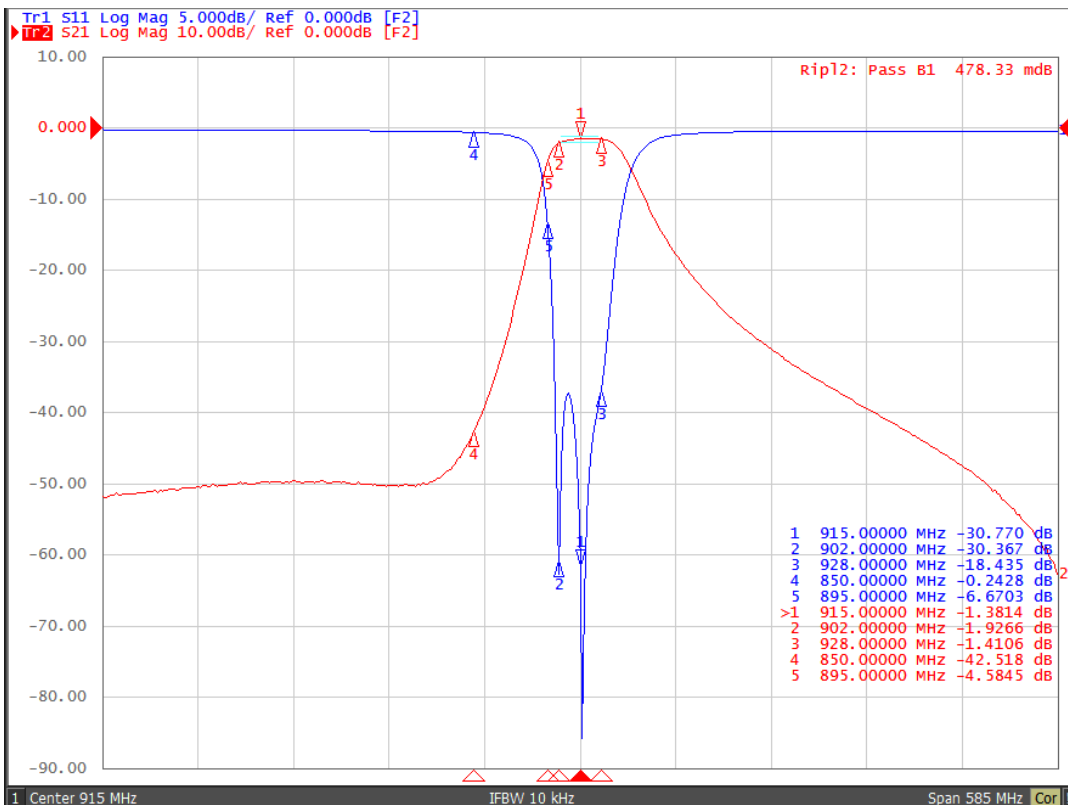
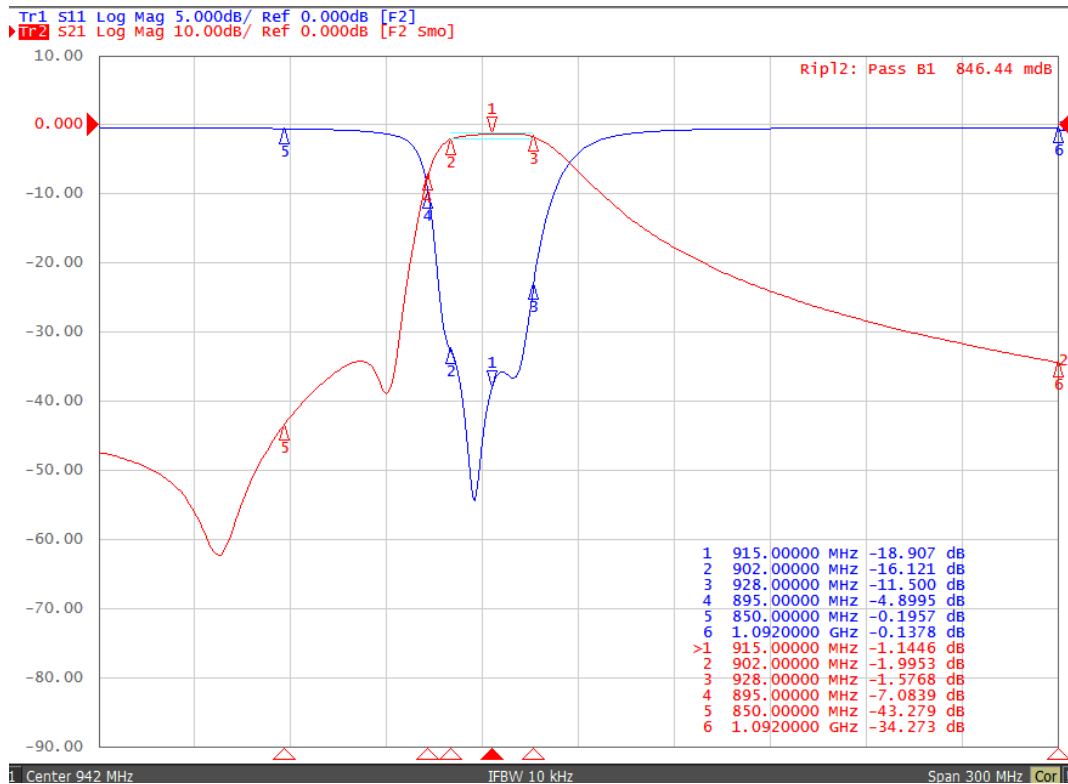
I/O Pads and LAND
I/O must be connected to lines with
50Ω impedance.
in the application
termination of 50Ω
must be realized.



Solder Resist Without
Pattern

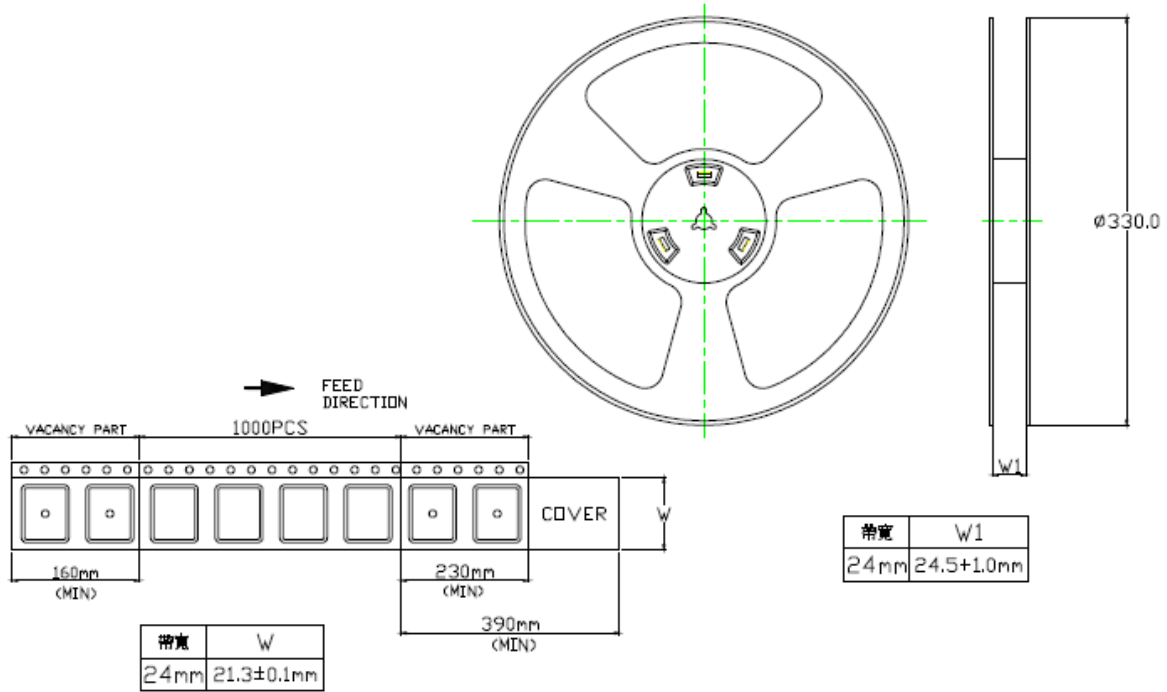
Unit:mm
Tolerance:±0.2

E. FREQUENCY CHARACTERISTICS:

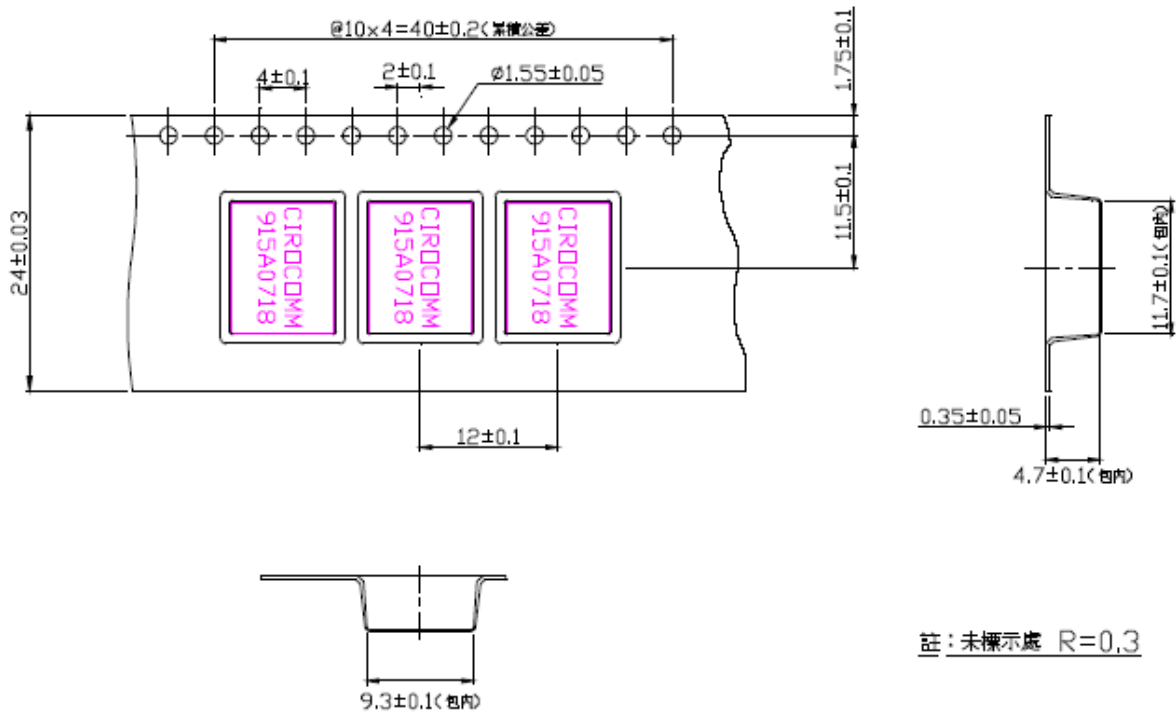


F. RECOMMENDED REFLOW PROFILE:

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.

