

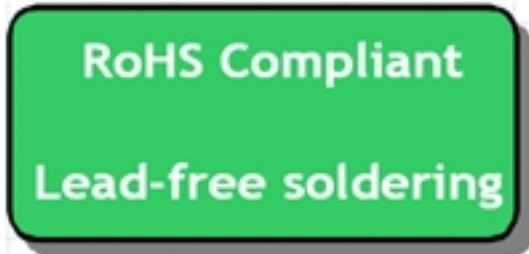
SAW Filter 836.5 MHz

MODEL NO.: TA0183A

REV. NO.:5.0

A. MAXIMUM RATING:

1. Input Power Level: 15 dB_m
2. DC voltage: +5 V
3. Operating Temperature: -25°C to +80°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1 (MSL1)



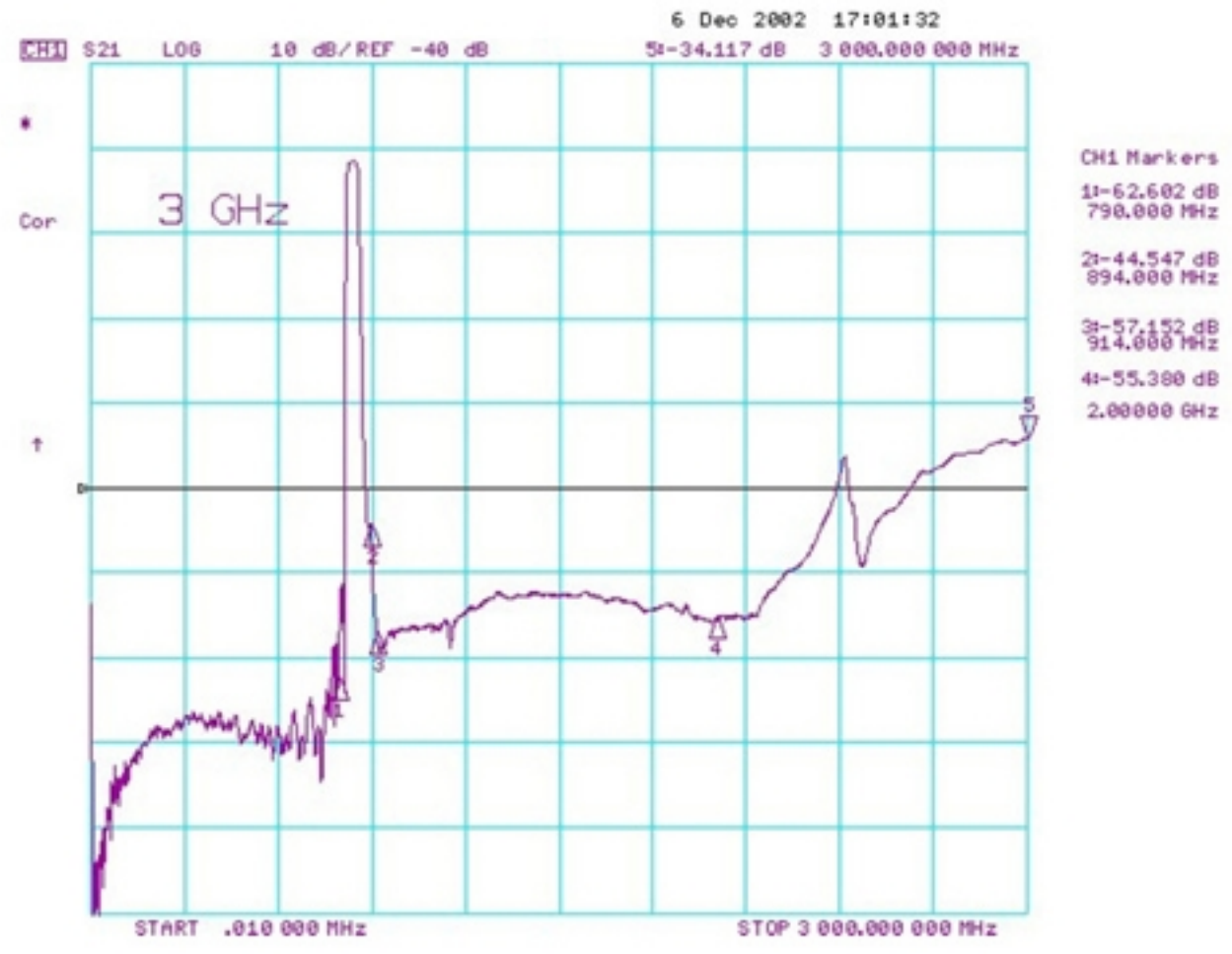
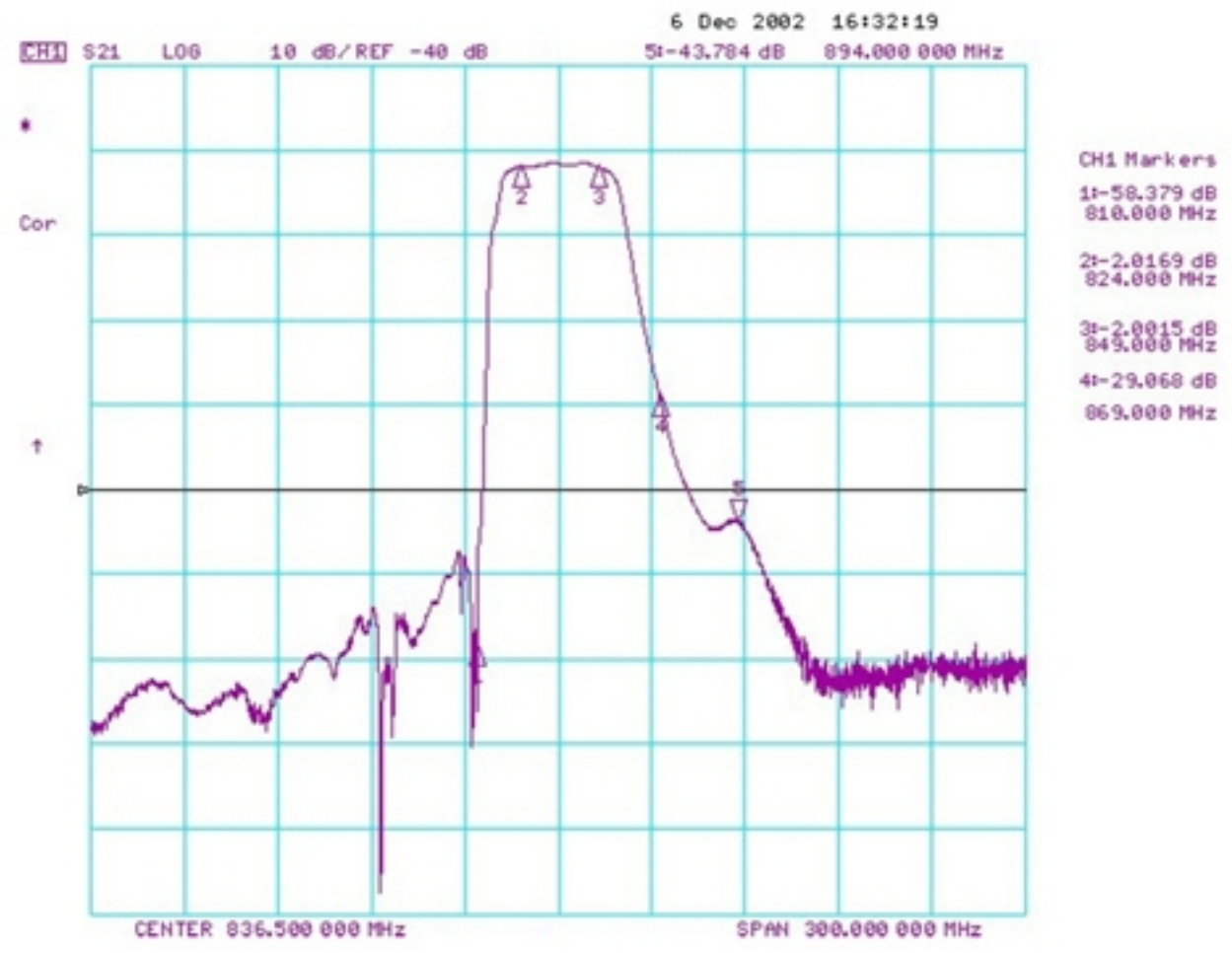
Electrostatic Sensitive Device

B. ELECTRICAL CHARACTERISTICS:

Item		Min.	Typ.	Max.
Center frequency	Fc MHz	-	836.5	-
Insertion loss	824 ~ 849 MHz IL (dB)	-	2.1	2.8
Amplitude ripple	824 ~ 849 MHz (dB)	-	0.6	1.3
Return loss	824 ~ 849 MHz	9.0	12.0	-
Attenuation (Reference level from 0 dB)				
	D.C. ~ 790 MHz (dB)	45	55	-
	790 ~ 810 MHz (dB)	22	46	-
	869 ~ 894 MHz (dB)	20	29	-
	894 ~ 914 MHz (dB)	33	43	-
	914 ~ 2000 MHz (dB)	40	51	-
	2000 ~ 3000 MHz (dB)	27	34	-
Rx band suppression	869 ~ 894 MHz (dB)	20	29	-
Source impedance	Z _s (Ω)	-	50	-
Load impedance	Z _L (Ω)	-	50	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-

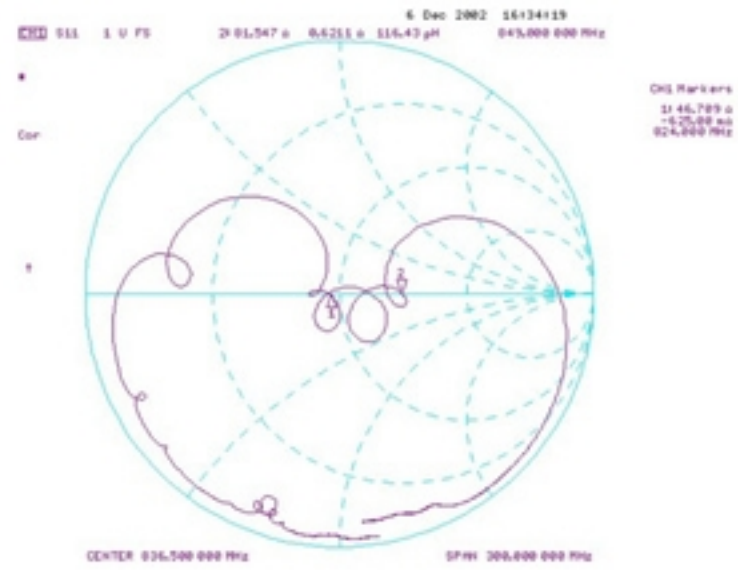
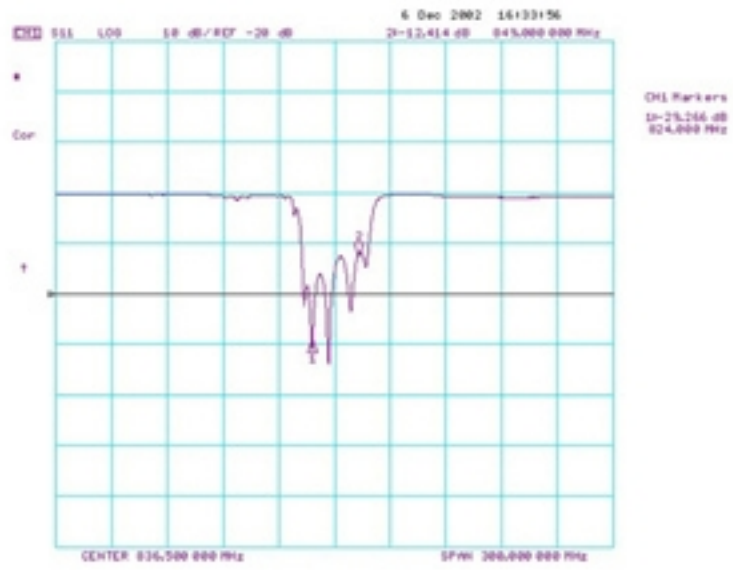
Note1. No matching network required for operation at 50(

C. Frequency Characteristics :

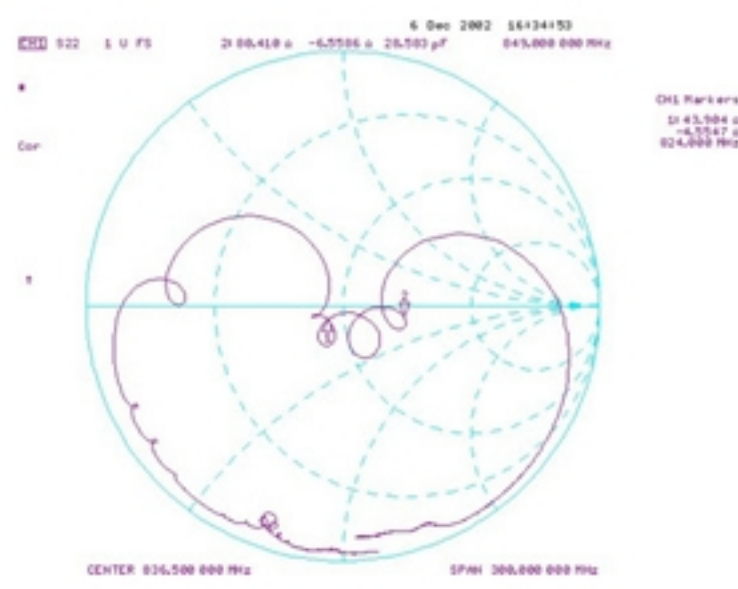
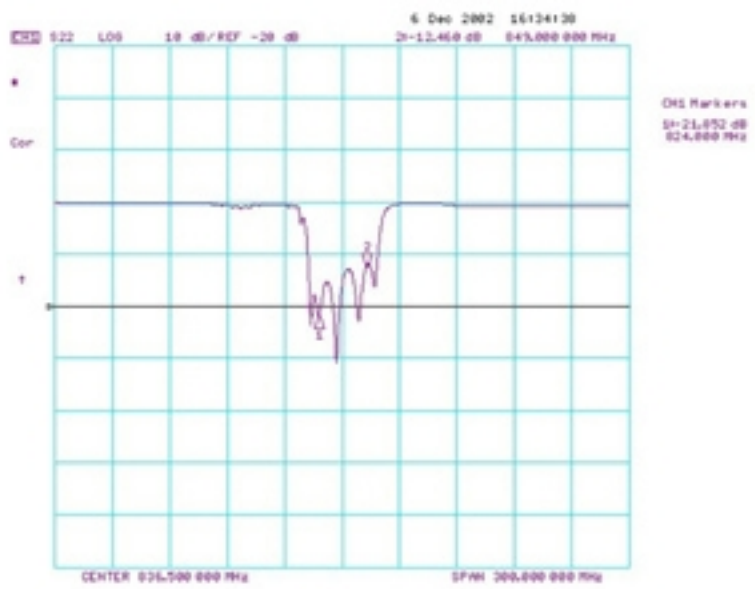


D. Reflections Functions :

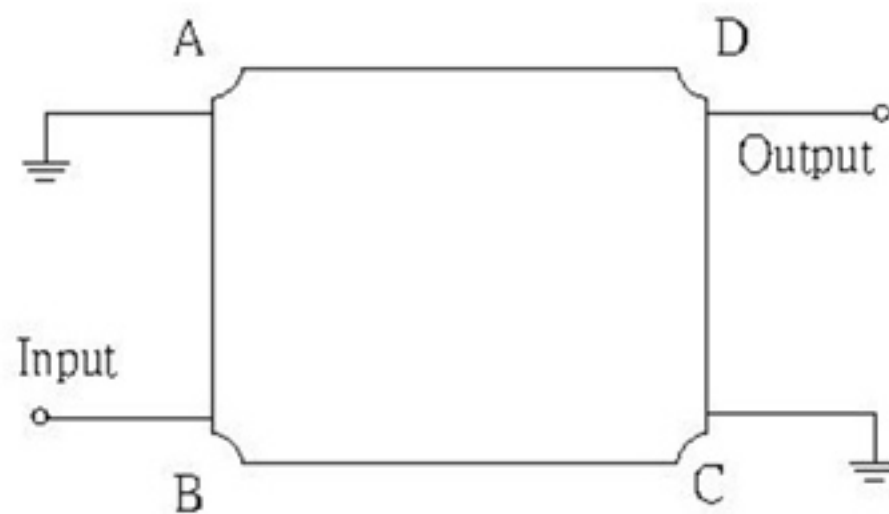
S11:



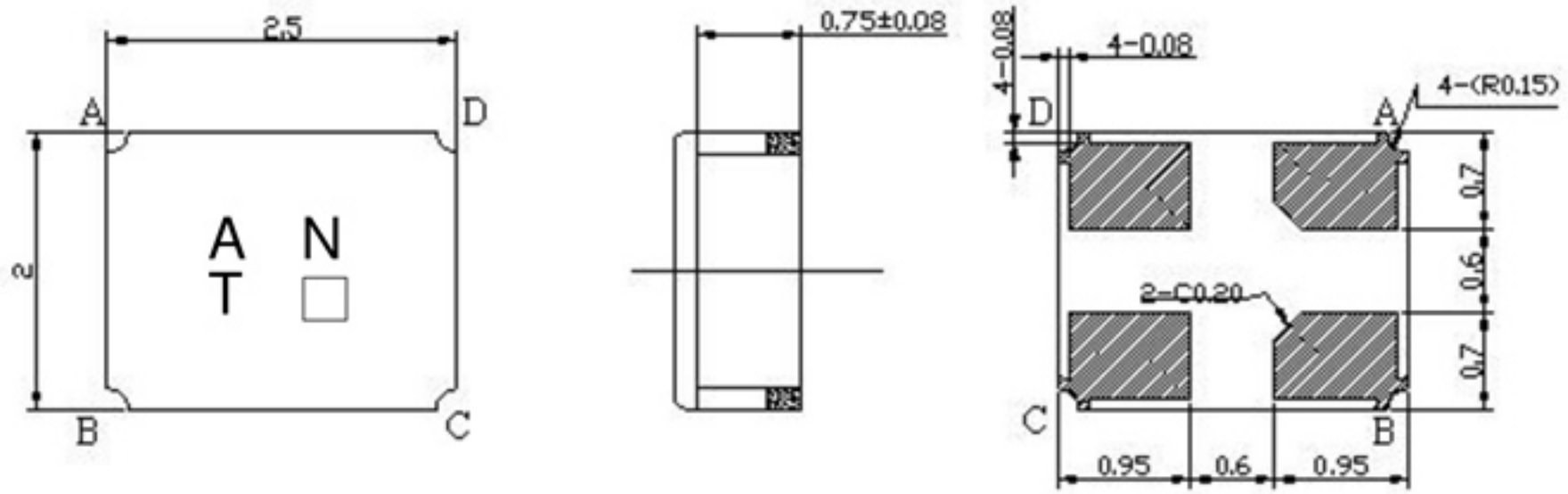
S22:



E. MEASUREMENT CIRCUIT:

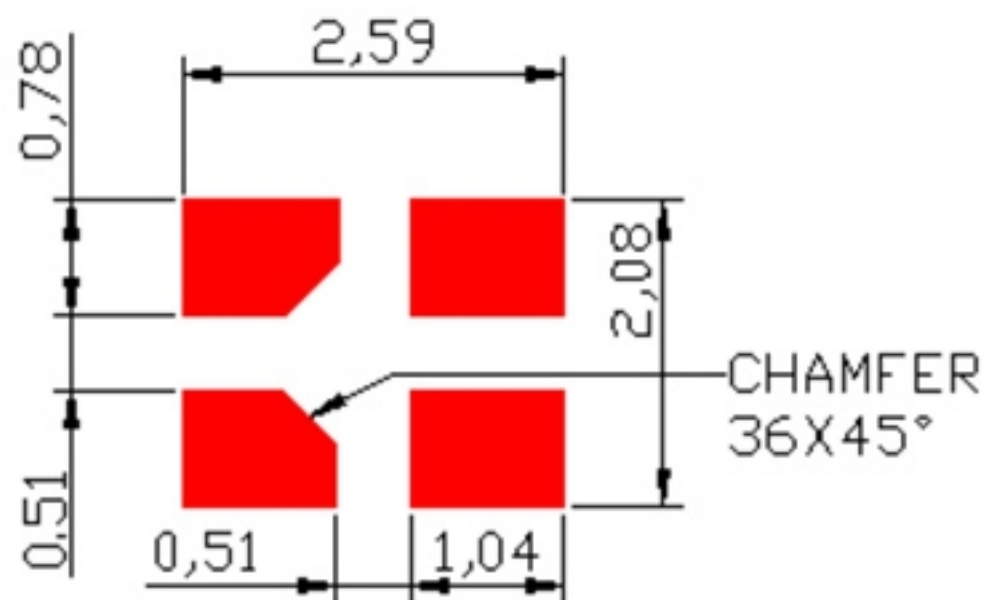


F.OUTLINE DRAWING:



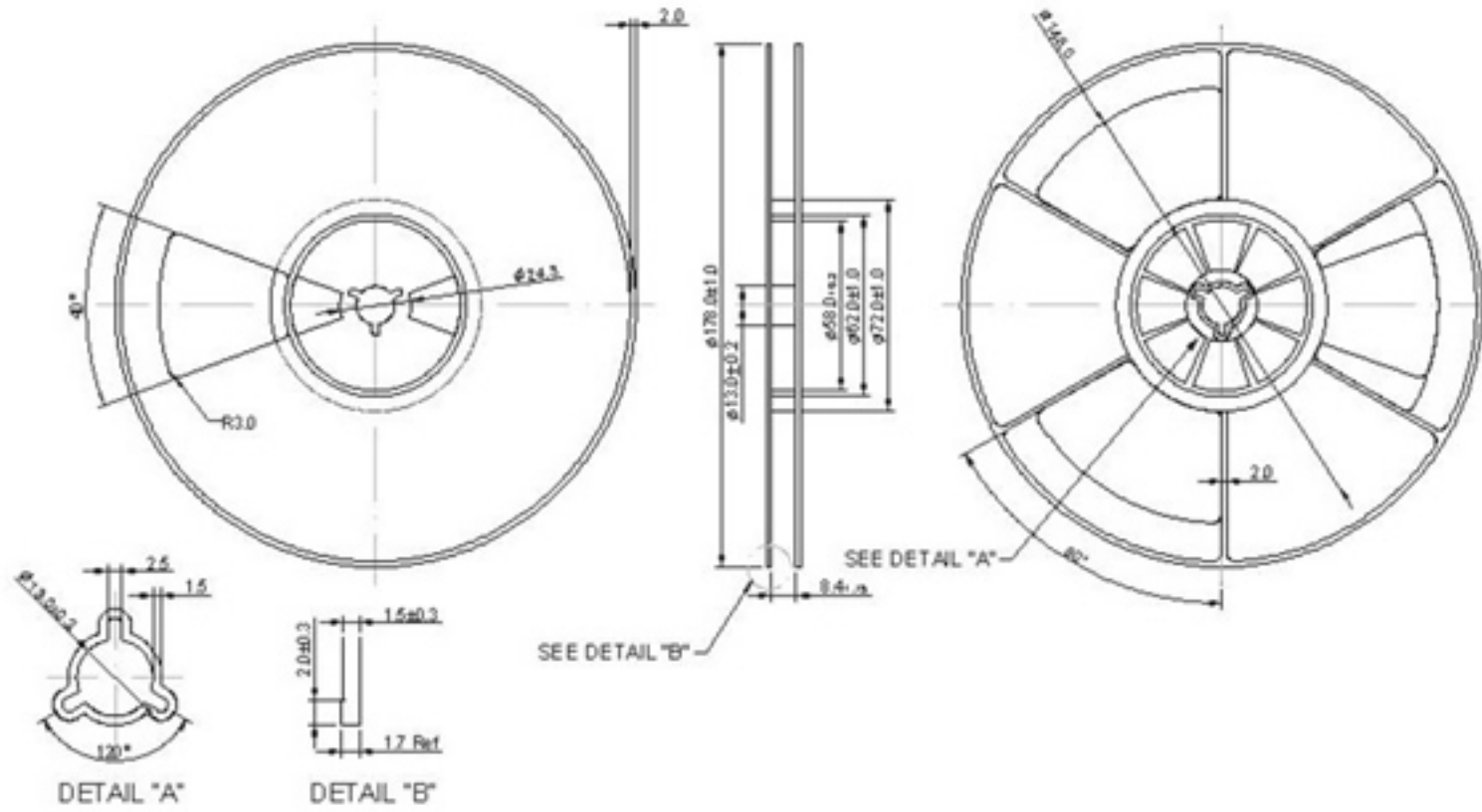
- B : Input
- D : Output
- A, C : Ground
- : Date Code
- Unit : mm

G. PCB FOOTPRINT:



H. PACKING:

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



2. TAPE DIMENSION

