

Low Pass Filter 699 ~ 960MHz

MODEL NO.:TL0015A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 5V
3. Operating Temperature: -40 °C to +120 °C
4. Storage Temperature: -40 °C to +85 °C
5. Moisture Sensitivity Level: Level(MSL1)
6. No Marking

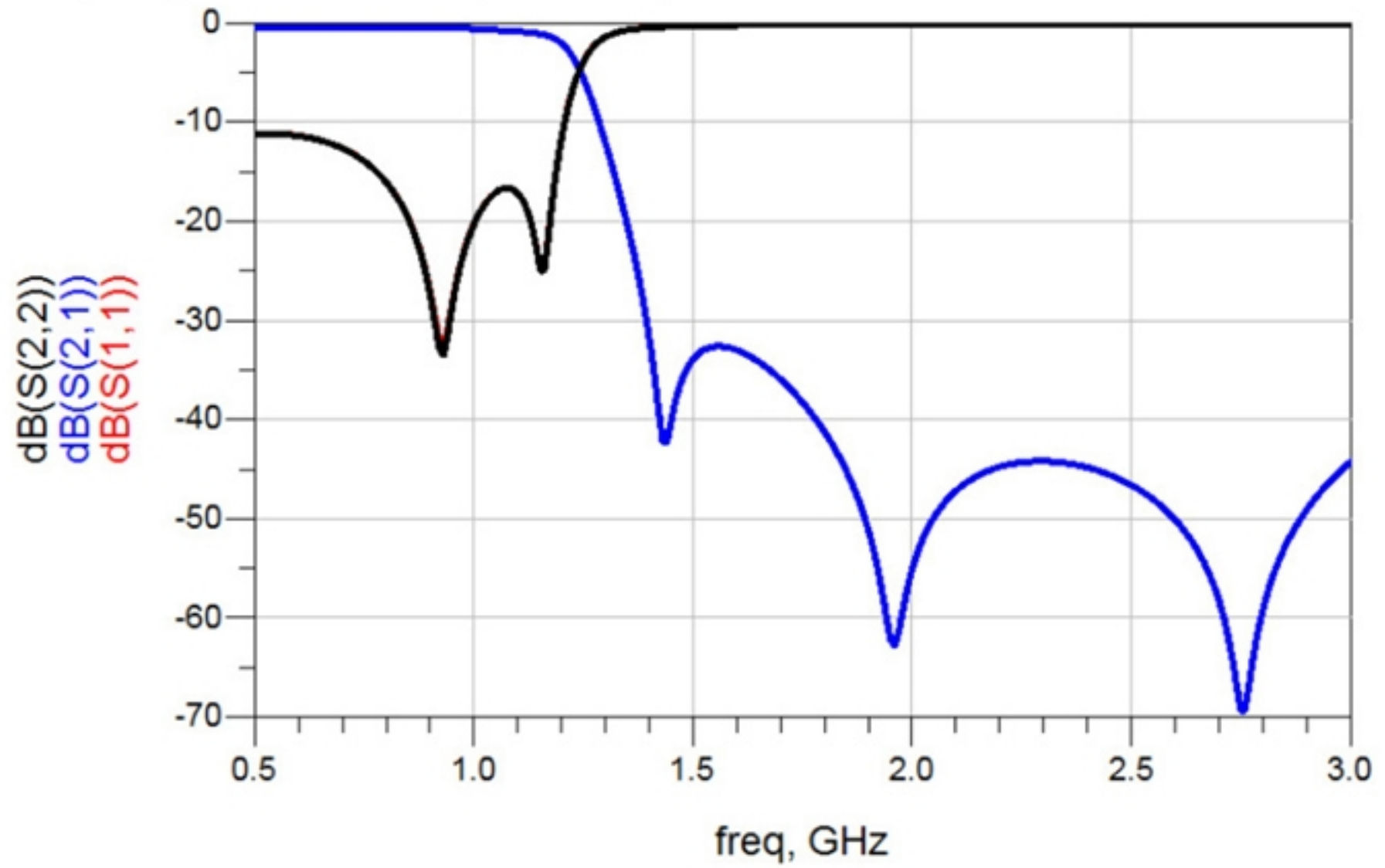
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

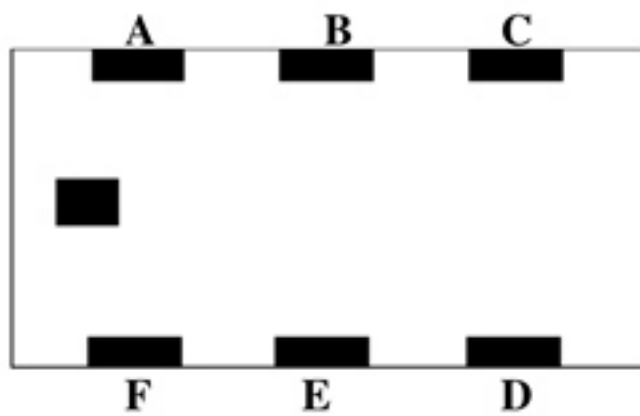
B. ELECTRICAL CHARACTERISTICS:

Item	Specifications
Insertion Loss 25degree C	Frequency Range
	0.6 dB max 699~787MHz 0.7 dB max 787~960MHz
Return Loss	10 dB min
Attenuation	30 dB min 1427 ~ 1920 MHz 30 dB min 2097 ~ 2880 MHz
In/Output Impedance	50 Ω

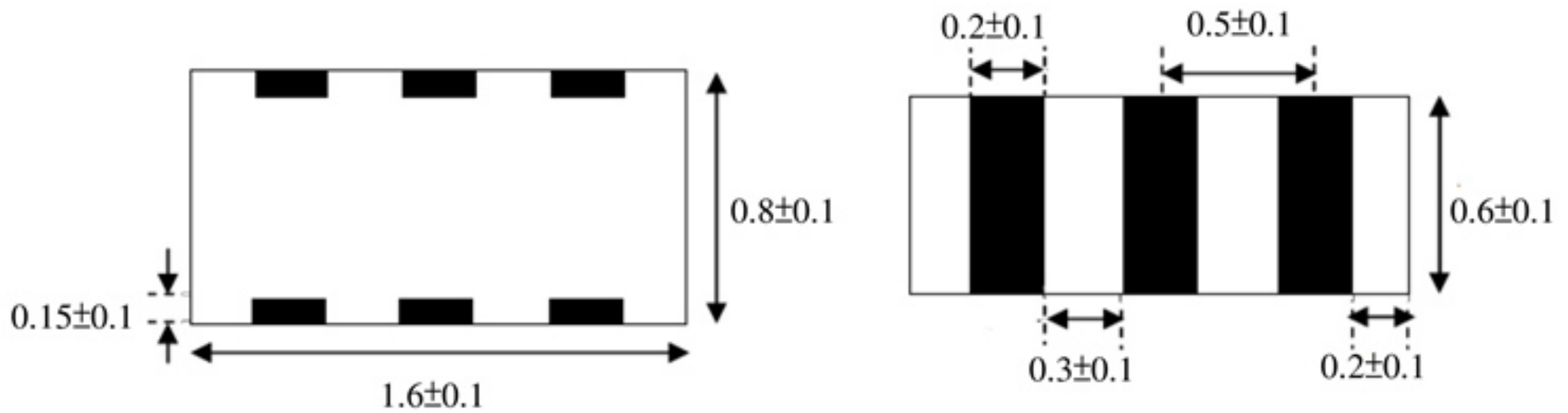
C. Frequency Characteristics : (Simulation)



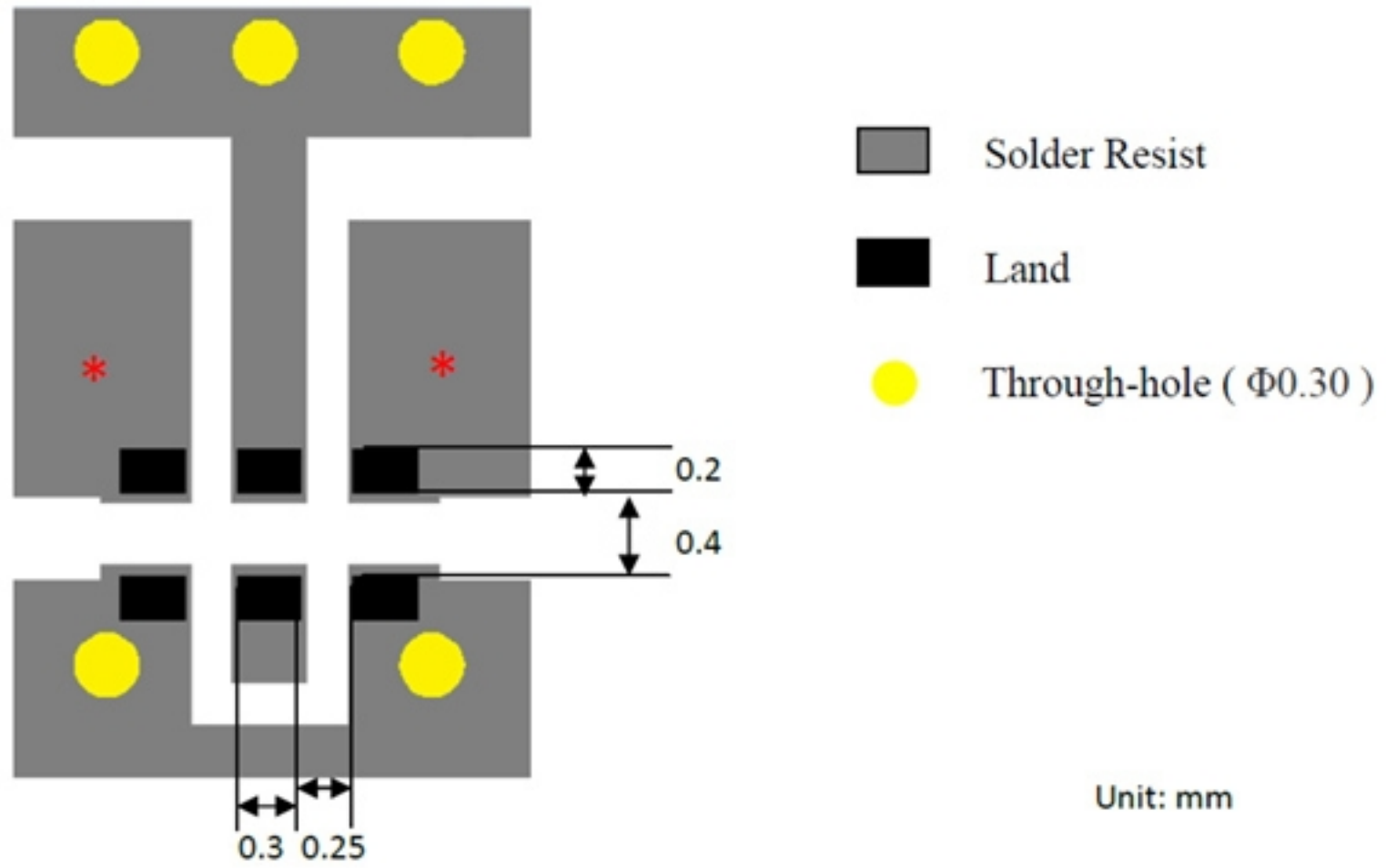
D. Pin Assignment :



- A : Input
- C : Output
- B,D,F : Ground
- E : NC

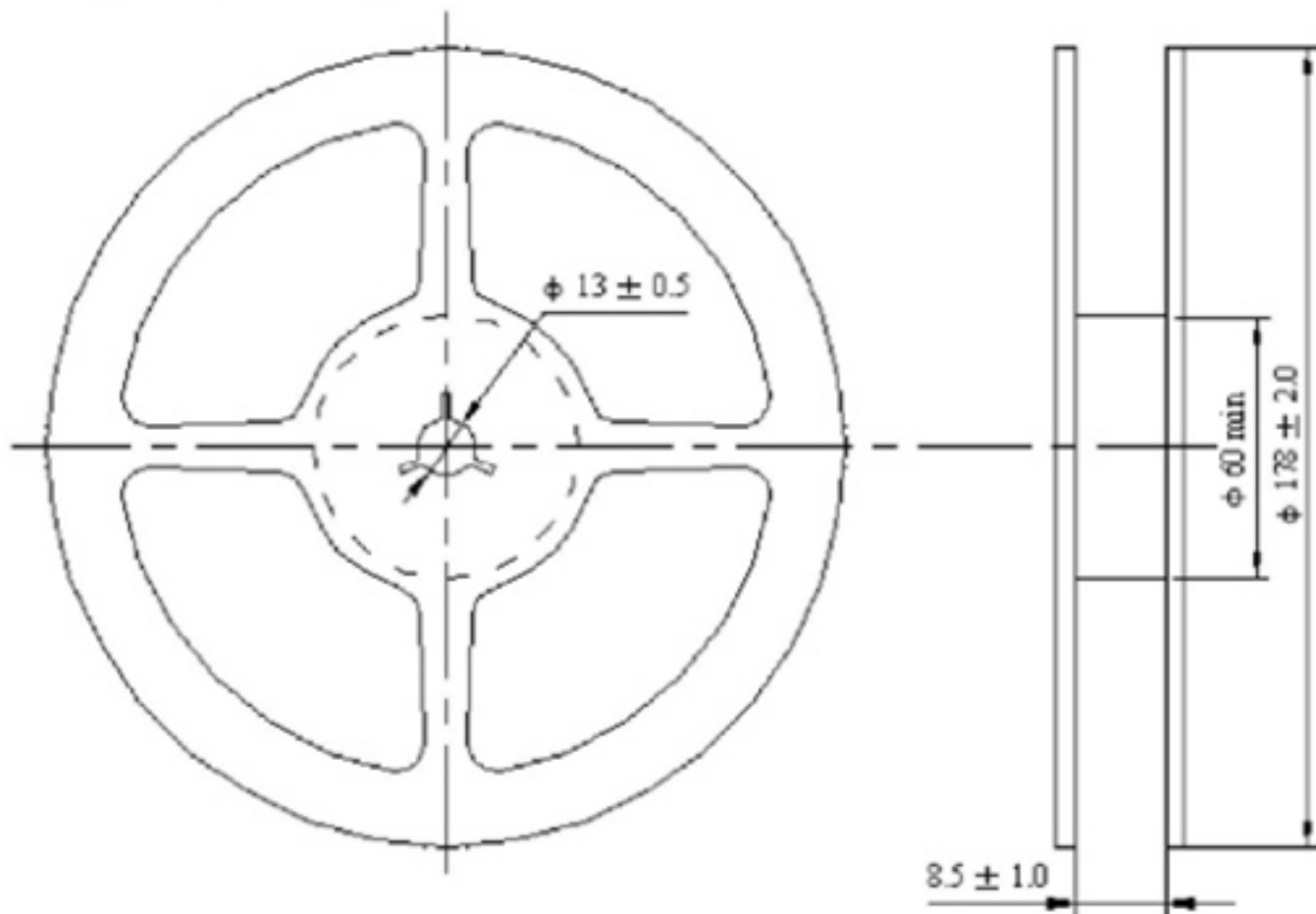


E. PCB Footprint

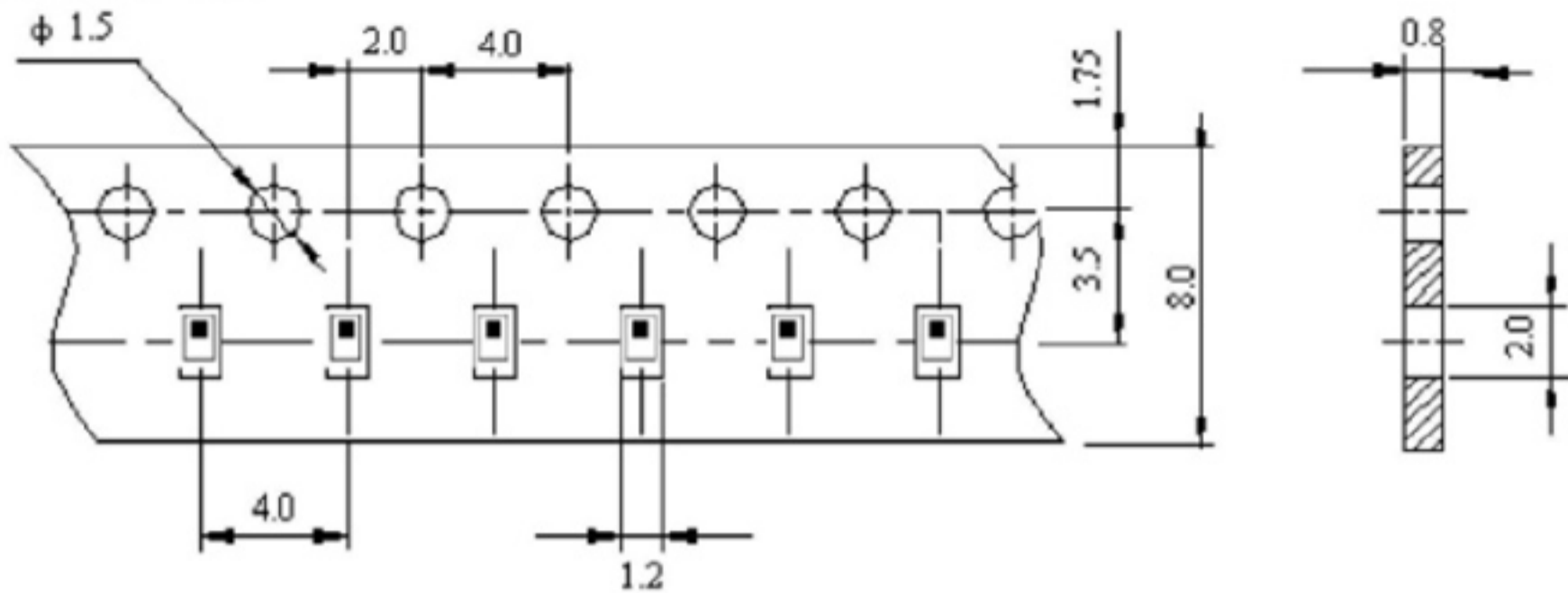


F. Packing:

1. Reel (6000 pcs/reel)



2. Plastic Tape



G. Recommended Reflow Profile:

1. Preheating shall be fixed at $150\sim 180^{\circ}\text{C}$ 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 $245\sim 260^{\circ}\text{C}$ peak (min. 10sec).
4. Time : 2 times.

