

## 1" Thermal Printer Mechanism



### Features

- **Compact and lightweight design**  
Ultra compact design - The mechanism is compact and light, height only 13 mm and weight only 30 gm.
- **Printing with high resolution**  
A high-density printer head of 8 dots/mm makes the good printing quality
- **Low voltage supply**  
The voltage used to drive the thermal printer head is equal to the logic voltage, or is driven by a 5 V single power line, the range of operating
- **High speed printing**  
According to driving power and sensitivity of thermal paper, set different printing speed required. Printing speed is 80 mm/ s (max.)
- **Easy paper loading**  
Detachable rubber roller structure makes the paper loading easier
- **Low noise**  
Thermal line dot printing is used to guarantee low noise printing.
- **No loose wiring --** A single flex-cable houses all wiring
- **Ergonomic design –**  
Centered paper path allows uniform and aesthetic housing design
- 1 inch paper width
- High reliability in an extremely small size

## Specifications:

- Printing Method : Direct thermal line printing
- Printing width : 24.0 mm (1-inch)
- Head Configuration (dots/line) : 192
- Resolution (dots/mm) : 8
- Dot Pitch : 0.125 mm
- Printing Speed : 50 mm/s (MAX)...
- Paper Width : 37±0.5mm
- Max. paper thickness (µm) : 80
- Paper feed method : Friction feed
- Printing speed (mm/s) : 80
- Head temperature sensor : Thermistor
- Heater resistance : 142Ω± 3%
- Number of strobes : 3
- Paper detection : Photo-sensor
- External dimensions (W x D x H) : 32 x 48 x 13.8mm
- Weight : 30g
- Life/Reliability : 100Km
- Recommended paper : TSP-F50US or equivalent
- Input Power : 4.2 to 8.5VDC

## Applications:

- Calculators
- Data terminal devices
- EFT POS
- Hand held terminals
- Measuring instruments and analysers
- Medical equipment
- Portable printers and terminals
- Taxi meters