TELSTAR ELECTRONICS CORP.

2 Inch Thermal Printer Module

TCP-176

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Revision

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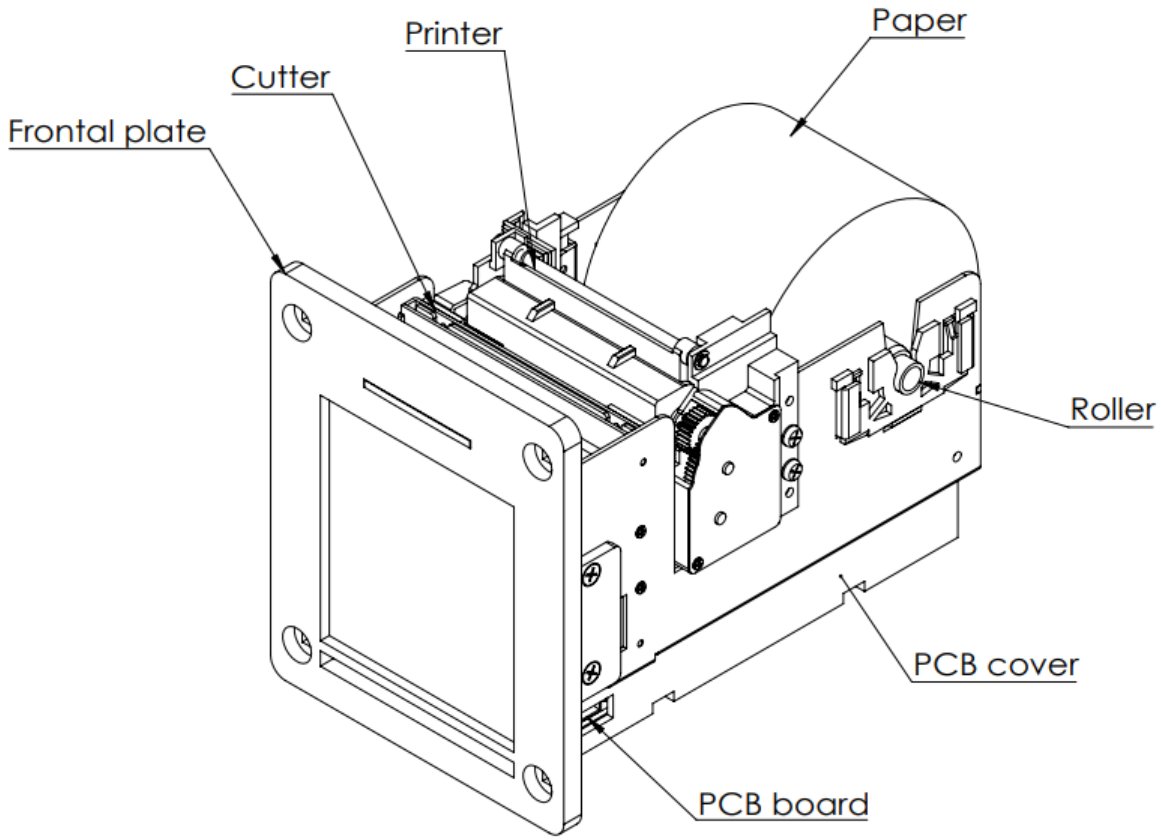
1.Identifying the parts of the Thermal Printer Module

The following describes identifying the parts of Printer module,Printer mount and Control board.



2. Specifications

2.1 General Specifications (Printer)

Item		Specifications
Printer	Print method	Thermal line dot printing
	Number of dots/line	448 dots
	Print resolution	8 (dots/mm)
	Printing width	56mm
	Paper Width	Max. 56mm(2.2inch)
	Printing thickness	0.06 to 0.12mm
	Printing speed	Max. 250mm/s*
	Paper Roller diameter	Max. 80mm
	TPH Life	Pulse Life: 1×10^8 pulses Abrasion Life: 150 km
	Print color	Black
Detection	Head temperature	Thermistor
	Platen position	Photo Interrupter
	Out of paper	Photo Interrupter
	Cutter home position	Micro switch

Power supply(V)	For head logic	Vdd	3.0 to 5.25 (DCV), 21mA (max.)
	For head heat element	Vp	12(DCV)
		Energy Consumption	0.12mJ/dot (Ton:0.29mS, 25℃)
		Power consumption	0.42 W/dot
	For motor	24 (DCV), 0.6A(Max.)	
	For cutter	24 (DCV)	
Cutter	Cutting method	Slide type	
	Cutting function	Full,Partial(Depend on customer)	
	Cutting width	63(Max)	
	Paper Type	Ordinary paper/Thermal paper	
	Cutting thickness	0.06-0.12mm	
	Paper density	60 g/m^2 to 120g/m^2	
	Allowable cutting frequency	Max.25 cuts/minute.(cutting 0.06mm paper)	
	Life	1,000,000 times (Ordinary paper thickness 0.06mm/60 g/m^2、Normal temperature)	
	Min. cut length	10mm	

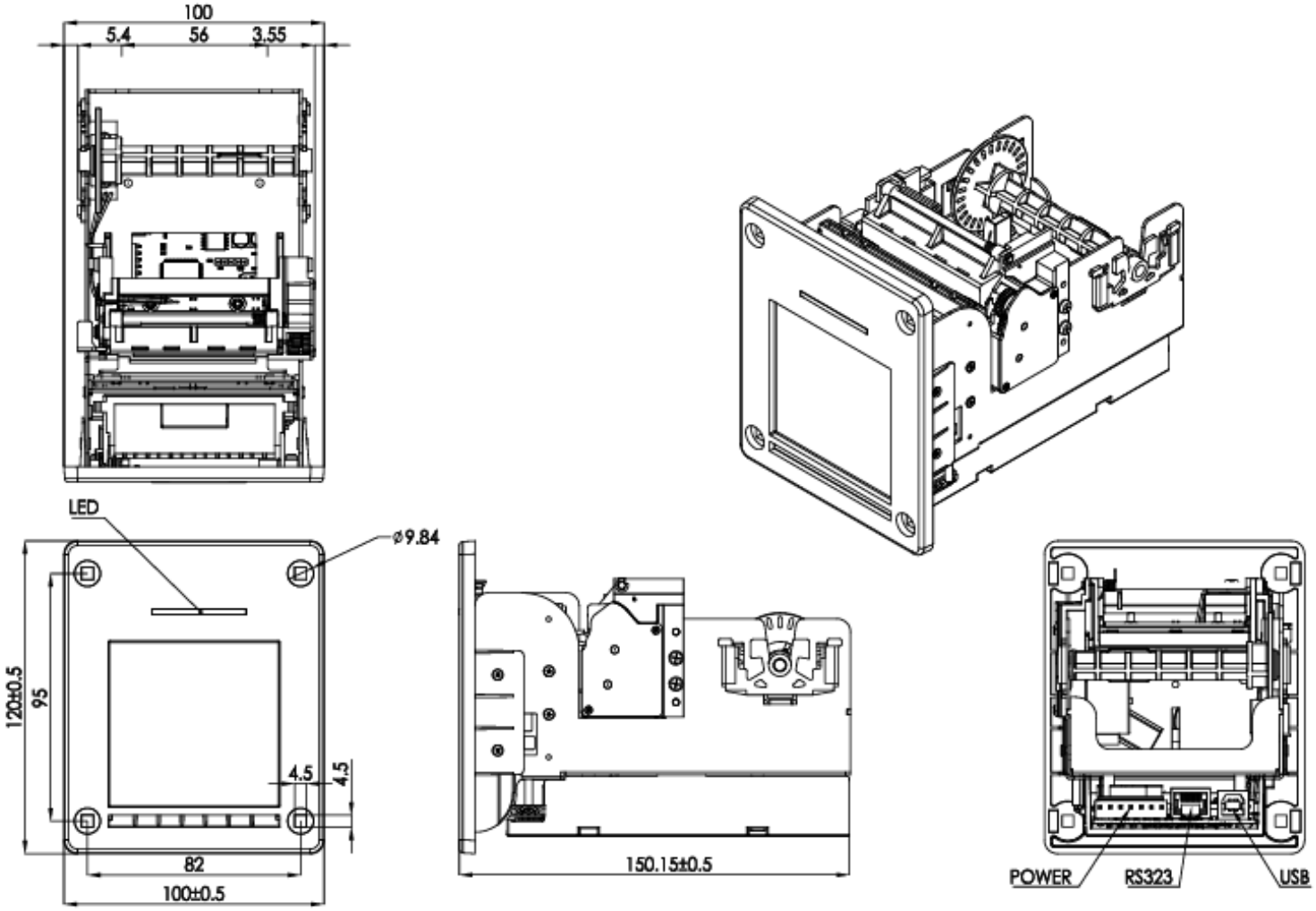
Cutter Motor	Terminal Voltage	DC 24V, - 10%
	Motor current (starting)	Approx. 1.2A (24V, 25°C)
	Motor current (jam)	Approx. 1.8A (24V, 25°C)
Cutter Micro Switch	Rated voltage	DC 5.5V
	Rated current	2mA
Operation Temperature (°C)		0 to +50 °C**
Operation humidity		30 to 85% RH
Storage Temperature (°C		-20 to 60°C (excluding paper)
Outer dimensions		163.5(L) x 120(W) x 100(H)

*Printer speed 250mm/s(Max.)is guarantee under the spec. environmental conditions.

** Without condensation

3. Presenter Printer Module Dimensions

3.1Module Dimensions



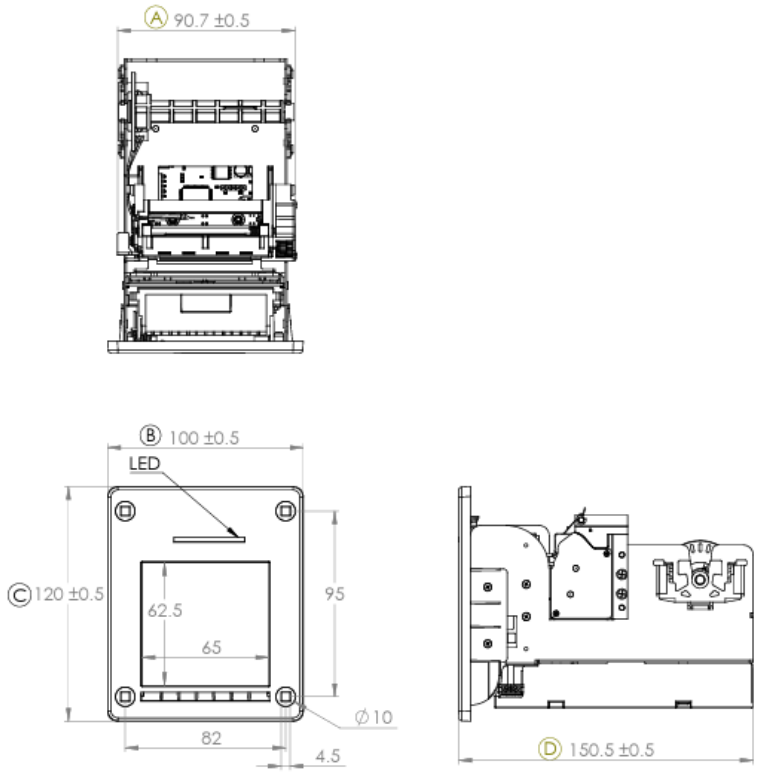
3.2 Inspections

出貨檢驗表

Customer 客戶名稱		Customer's P/N		W/O No. 工單號	
Order No. 訂單號碼		Kyoujin Part No.		Inspected Date	
Description 產品名稱	TU2213N-4001	Lot Q'ty 生產數量	PCS	Inspected by	

Inspection Content

1. Dimension(For the first 5 articles) :



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Spec No.	A	B	C	D	E	F	G	H	I	J	K	L	M
	90.7 ± 0.5	100 ± 0.5	120±0.5	150±0.5									
1													
2													
3													
4													
5													

2.Appearance :□ OK：Without any evident damage or defect. □ NG：_____

3. Function：