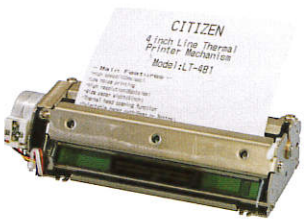
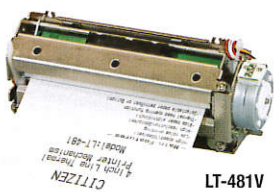
LINE THERMAL PRINTER MECHANISM

LT-481



LT-481H



LT-481V

Paper Roll 112 mm

SPEED 100 mm/sec. MAX.

Features

- 112mm paper width
- 24V operation
- High-speed print: Max. 100mm/sec
- Heavy duty design offers higher reliability

Optional Accessories

Auto cutter

AC-6 (Saw tooth blade)

ACS-249 (V-shaped blade)

Specifications

		LT-481
Printing method		Thermal dot line printing method
Total dots		832 dots/lines
Dot density		8 dots/mm
Printing width		104mm
Printing speed		Max. 100mm/sec. (800 dot-lines/sec)
Paper feeding pitch		0.125mm
Sensors	PE sensor	Photo-Interrupter
	Head temperature	Thermistor
	Head-up	Machanical switch
Operating voltage range *1	Vp	DC 22.8 to 25.2V
	Vdd	DC 4.75 to 5.25V
Current consumption	Head	1.6A
	Motor	0.48A
Recommended paper	Width	111.5mm ±0.5mm
	Paper thickness	65µm
	Paper diameter *2	φ83mm or less
	Paper (Manufacturer)	TF50SY-EY, TF50KS-E2C (Nippon Paper)
Reliability *3	Head pulse-resistance	100 million pulses or more
	Head wear-resistance	100km or more
Environment	Operation	Temperature: 5 to 40°C Humidity: 35 to 80% RH
	Storage	Temperature: –20 to 60°C Humidity: 10 to 90% RH
External dimensions		161 (W) × 60 (D) × 41 (H)mm
Weight		Approx. 420g

*1: Voltage drop at maximum current may cause the print quality problem. Please check it carefully in your environment such as control board, wiring, etc. Also please keep the voltage within the specified voltage range even by the voltage drop.
*2: The number of diameter varies depending on the conditions.
*3: Normal temperature at 25°C, normal humidity, 12.5% printing ratio, rated energy and by use of the recommended print paper.

Model classification
LT - 281
1)

1) Model
LT-281

Model classification
LT - 481
1)

1) Model
LT-481

LINE THERMAL PRINTER MECHANISM

LT2221 / LT2221C

Paper Roll 58 mm

SPEED 150 mm/sec. MAX.

REMOVABLE PLATEN

Features

- 58mm paper width
- 24V operation
- High-speed print: Max. 150mm/sec
- Platen removable design
- Auto cutter equipped (LT2221C)
- Compact design

Optional Accessory

Control board

BD2-2221

Specifications

		LT2221 / LT2221C
Printing method		Thermal dot line printing method
Total dots		432 dots/lines
Dot density		8 dots/mm
Printing width		54mm
Printing speed		Max. 150mm /sec (1200 dot-lines/sec)
Paper feeding pitch		0.125mm
Sensors	PE sensor	Photo-Interrupter
	Head temperature	Thermistor
	Platen	Photo-Interrupter
Operating voltage range *1	VH	DC 21.6 to 26.4V
	Vdd	DC 4.75 to 5.25V
Current consumption	Head (Vp=5V)	Max. 4.9A approx.
	Motor (Vp=5V)	Max. 0.46A approx.
Recommended paper	Width	58mm
	Thickness	60 to 105µm (Standard) 110 to 150µm (A type)
	Paper diameter *2	ϕ83mm or less
	Paper (Manufacturer)	TF50KS-E2D (Nippon Paper)
Reliability *3	Head pulse-resistance	100 millions pulses or more
	Head wear-resistance	100km or more
	Auto cutter life *4	0.3 millions cuts
Environment	Operation	Temperature: 0 to 50°C Humidity: 35 to 85% RH
	Storage	Temperature: –20 to 60°C Humidity: 10 to 90% RH
External dimensions		91.5 (W) × 58 (D) × 20 (H)mm (LT2221) 101.3 (W) × 61.5 (D) × 37.2 (H)mm (LT2221C)
Weight		Approx. 88g (LT2221) Approx. 281g (LT2221C)

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*2: The number of diameter varies depending on the conditions.
*3: Normal temperature at 25°C, normal humidity, 12.5% printing ratio, rated energy and by use of the recommended print paper.
*4: The number is under the condition of 150µm paper thicknes. Performance may be changed depending on the cutter equipping method.

LINE THERMAL PRINTER MECHANISM

LT2321 / LT2321C

Paper Roll 80 mm

SPEED 150 mm/sec. MAX.

REMOVABLE PLATEN

Features

- 80mm paper width
- 24V operation
- High-speed print: Max. 150mm/sec
- Platen removable design
- Auto cutter equipped (LT2321C)
- Compact design

Optional Accessory

Control board

BD2-2221

Specifications

		LT2321 / LT2321C
Printing method		Thermal dot line printing method
Total dots		576 dots/lines
Dot density		8 dots/mm
Printing width		72mm
Printing speed		Max. 150mm /sec (1200 dot-lines/sec)
Paper feeding pitch		0.125mm
Sensors	PE sensor	Photo-Interrupter
	Head temperature	Thermistor
	Platen	Photo-Interrupter
Operating voltage range *1	VH	DC 21.6 to 26.4V
	Vdd	DC 4.75 to 5.25V
Current consumption	Head (Vp=5V)	Max. 4.9A approx.
	Motor (Vp=5V)	Max. 0.3A approx.
Recommended paper	Width	80mm
	Thickness	60 to 105µm (Standard) 110 to 150µm (A type)
	Paper diameter *2	ϕ83mm or less
	Paper (Manufacturer)	TF50KS-E2D (Nippon Paper)
Reliability *3	Head pulse-resistance	100 million pulses or more
	Head wear-resistance	100km or more
	Auto cutter life *4	0.3 millions cuts
Environment	Operation	Temperature: 0 to 50°C Humidity: 35 to 85% RH
	Storage	Temperature: –20 to 60°C Humidity: 10 to 90% RH
External dimensions		108 (W) × 58 (D) × 20 (H)mm (LT2321) 119 (W) × 61.5 (D) × 37.2 (H)mm (LT2321C)
Weight		Approx. 98g (LT2321) Approx. 331g (LT2321C)

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*2: The number of diameter varies depending on the conditions.
*3: Normal temperature at 25°C, normal humidity, 12.5% printing ratio, rated energy and by use of the recommended print paper.
*4: The number is under the condition of 150µm paper thicknes. Performance may be changed depending on the cutter equipping method.

Model classification
LT2221HC
1) 2) 3) 4) 5)

1) Paper width
2: 58mm
3: 80mm
2) Voltage
2: 24V
3) Type
1: Platen removable model
4) Paper path
H: Curl
5) Cutter
None: Standard
C: With cutter

Model classification
BD2 - 2221RSU
1) 2)

1) Applicable Mechanisms
0: LT2X20
1: LT2X21

1) Applicable Mechanisms
0: LT2X20
1: LT2X21
2) Interface
PA: Parallel (IEEE1284 compliant)
RS: Serial (RS-232C compliant)
UB: USB

LINE THERMAL PRINTER MECHANISM

LT-281

Paper Roll 60 mm

SPEED 101.6 mm/sec. MAX.

Features

- 60mm paper width
- 24V operation
- High-speed print: Max. 101.6mm/sec
- Heavy duty design offers higher reliability

Optional Accessories

Auto cutter

AC-5/5F (Saw tooth blade)

ACS-229 (V-shaped blade)

Specifications

		LT-281
Printing method		Thermal dot line printing method
Total dots		448 dots/lines
Dot density		8 dots/mm
Printing width		56mm
Printing speed		Max. 101.6mm/sec. (813 dot-lines/sec)
Paper feeding pitch		0.125mm
Sensors	PE sensor	Photo-Interrupter
	Head temperature	Thermistor
	Head-up	Machanical switch
Operating voltage range *1	Vp	DC 22.8 to 25.2V
	Vdd	DC 4.75 to 5.25V
Current consumption	Head	0.9A
	Motor	0.39A
Recommended paper	Width	59.5mm ±0.5mm
	Paper thickness	65µm
	Paper diameter *2	ϕ83mm or less
	Paper (Manufacturer)	TF50SY-EY, TF50KS-E2C (Nippon Paper)
Reliability *3	Head pulse-resistance	100 million pulses or more
	Head wear-resistance	100km or more
Environment	Operation	Temperature: 5 to 40°C Humidity: 35 to 80% RH
	Storage	Temperature: –20 to 60°C Humidity: 10 to 90% RH
External dimensions		111.5 (W) × 53.5 (D) × 40.8 (H)mm
Weight		Approx. 300g

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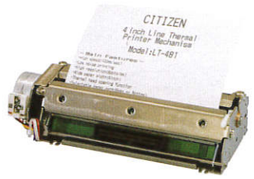
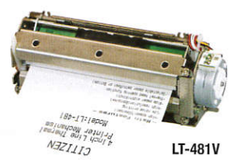
*2: The number of diameter varies depending on the conditions.
*3: Normal temperature at 25°C, normal humidity, 12.5% printing ratio, rated energy and by use of the recommended print paper.

LINE THERMAL PRINTER MECHANISM

LT-481



LT-481H



LT-481V

Paper Roll 112 mm

SPEED 100 mm/sec. MAX.

Features

- 112mm paper width
- 24V operation
- High-speed print: Max. 100mm/sec
- Heavy duty design offers higher reliability

Optional Accessories

Auto cutter

AC-6 (Saw tooth blade)

ACS-249 (V-shaped blade)

Specifications

		LT-481
Printing method		Thermal dot line printing method
Total dots		832 dots/lines
Dot density		8 dots/mm
Printing width		104mm
Printing speed		Max. 100mm/sec. (800 dot-lines/sec)
Paper feeding pitch		0.125mm
Sensors	PE sensor	Photo-Interrupter
	Head temperature	Thermistor
	Head-up	Machanical switch
Operating voltage range *1	Vp	DC 22.8 to 25.2V
	Vdd	DC 4.75 to 5.25V
Current consumption	Head	1.6A
	Motor	0.48A
Recommended paper	Width	111.5mm ±0.5mm
	Paper thickness	65µm
	Paper diameter *2	ϕ83mm or less
	Paper (Manufacturer)	TF50SY-EY, TF50KS-E2C (Nippon Paper)
Reliability *3	Head pulse-resistance	100 million pulses or more
	Head wear-resistance	100km or more
Environment	Operation	Temperature: 5 to 40°C Humidity: 35 to 80% RH
	Storage	Temperature: –20 to 60°C Humidity: 10 to 90% RH
External dimensions		161 (W) × 60 (D) × 41 (H)mm
Weight		Approx. 420g

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LT - 281
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LT - 481
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