

## Line Thermal Printer Unit

Type : **EPL1700**

This unit is a compact line thermal printer that is driven by 24V dc.

60mm-, 80mm-, and 112mm- paper width types are available and they can also print on the label paper.

New types of a straight paper-path are available in addition to our conventional types of curl paper-path.



### ■ Features

- Two kinds are prepared as a path course of paper (Curl path type, Straight path type)
- Option (Interface circuit, CPU, KANJI ROM)

### ■ Applications

- Data communication peripherals
- POS peripherals
- Medical, Measurement

### ■ Specifications

		EPL1701S2(V)	EPL1702S3(V)	EPL1703S4(V)
Resolution		8 dots/mm		
Total number of dots		432 dots/mm	576 dots/mm	864 dots/mm
Printing speed		480 dot-lines/s [max.] (60 mm/s)		
Paper width		60 mm	80 mm	112 mm
Number of colums / line		27 24 dots×16 dots characters	36 24 dots×16 dots characters	54 24 dots×16 dots characters
Life		5×10 <sup>7</sup> pluses, 50 km		
Operating voltage	Head, Motor	24 V dc ± 1.2 V dc		
	Logic	5 V dc ± 0.25 V dc		
Current	Head	2.5 A [max.] (at 25.2 V, 144 dots coloring)		
	Motor	0.54 A [max.] (at 25.2 V)		
Mass (typ.)		83 g	97 g	125 g
Dimensions (W×D×H)		81 mm×52 mm×20 mm	101 mm×52 mm×20 mm	147 mm×54 mm×20 mm

(V) : Straight path type

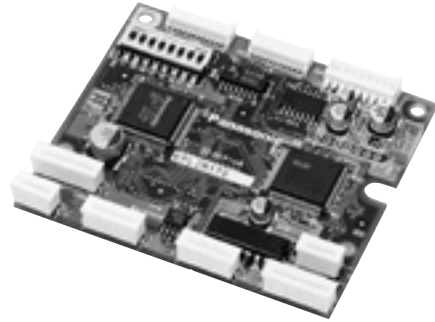
### Control Circuit for Line Thermal Printer Unit

Type : **EPLR1700**

This control circuit is designed to perform the most suitable control for EPL1700 series line thermal printer unit.

Basically, this control circuit has the following functions.

- 1) To control the printer by interpreting commands and character data transferred from the host computer.
- 2) To print the built-in test patterns.



#### ■ Features

- This interface is subject to the simplified centronics and simplified RS-232C
- 728 types of fonts as 8 dots/mm resolution are built-in
- High-speed and high-definition printing is realized by the thermal head energy control such as temperature correction
- Auto paper cutter control function is included
- KANJI ROM interface is included (KANJI ROM is a optional parts)
- Extended external memory interface is included (Stamp, Download character)
- Barcode printing : UPC, JAN, EAN, CODE39, ITF, NW7
- Auto status response function is included

#### ■ Specifications

		EPLR1701(J), EPLR1702(J)	
		Specifications	Remarks
Adjusted printer		EPL1701S2(V), EPL1702S3(V), EPL1703S4(V)	
Character types		Extended graphics character set KATAKANA character set International character set	
Character size		ANK : 24 dots(H)×16 dots(W) ANK : 16 dots(H)× 8 dots(W) KANJI : 24 dots(H)×24 dots(W) KANJI : 16 dots(H)×16 dots(W)	KANJI characters are included in KANJI ROM as an optional parts.
Input/Output method		Parallel (simplified centronics) Serial (simplified RS-232C, CMOS level)	
Space between lines		0 to 100 dot-lines : available to change with command	Initial value : 8
Space between characters		0, 8, 16, 24 dots : available to change with command	Initial value : 0
Number of command		66	
Operating voltage	Logic	5 V dc ± 0.25 V dc	
	Printer	It is based on an adjusted printer	
Dimensions (W×D×H)		80 mm×70 mm×25 mm	

(J) : The product which mounted KANJI ROM