Near edge thermal Printhead SJ3002-EC60A

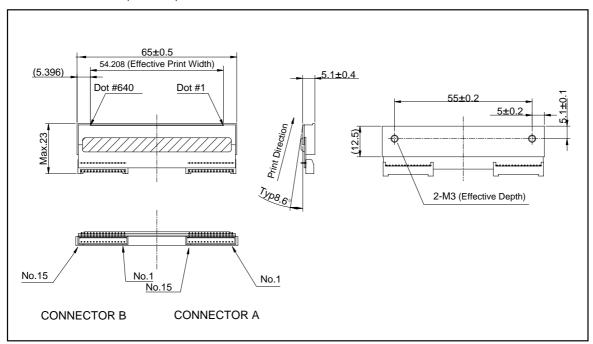
A near-edge structure and Real Flat glazing technology make it possible to use the NE printhead for straight path printing. This thermal printhead is made for card and heavy stock paper applications. Because the thickness and quality of the print media matter little, the NE is suitable for a wide range of applications.

Applications

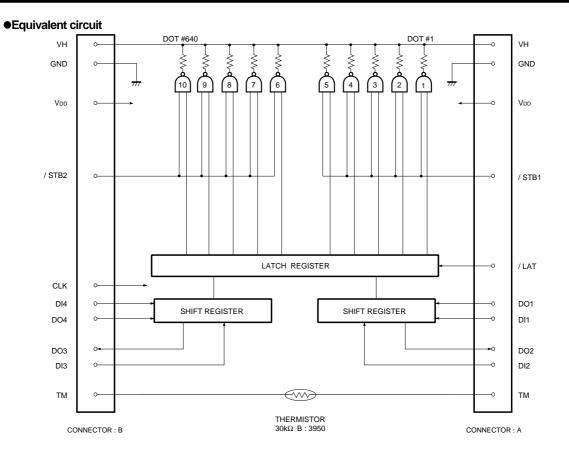
Card printers Ticket printers

Features

- 1) ROHM new technology "STEP FREE" structure will provide, high corrosion resistance, better resistance against scratching damage, high efficiency.
- 2) The use of ROHM's proprietary G-form structure ensures a compact form and light weight. Naturally, it also means that the NE can be used without a heat sink. This gives engineers greater freedom when designing the printer mechanics.
- Owing to the excellent smoothness of the surface of the print face, it is possible to achieve excellent print quality even when printing on hard card.
- 4) Inclined toward the printing surface to provide excellent printing quality even for cards and thick paper.



•External dimensions (Unit : mm)



DI No.	DOT No.			
DI4	640 to 449			
DI3	448 to 321			
DI2	320 to 193			
DI1	192 to 1			

/ STB No.	DOT No.	
/ STB2	640 to 257	
/ STB1	256 to 1	

Fig. 1

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Pin configuration

PIN No.	SIGNASL			
1	Vн			
2	Vн			
3	Vн			
4	Vdd			
5	/ LAT			
6	DI1			
7	DO1			
8	GND			
9	GND			
10	GND			
11	GND			
12	DI2			
13	DO2			
14	/ STB1			
15	ТМ			

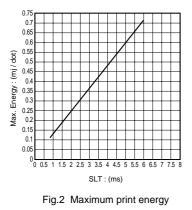
CONNECTOR B

PIN No.	SIGNASL			
1	ТМ			
2	/ STB2			
3	DI3			
4	DO3			
5	GND			
6	GND			
7	GND			
8	GND			
9	DI4			
10	DO4			
11	CLK			
12	Vdd			
13	Vн			
14	Vн			
15	Vн			

Characteristics

Parameter	Symbol	Тур.	Unit
Dot pitch	-	0.0847	mm
Pulse width	Ton	0.47	ms
Pulse cycle	SLT	1.5	ms
Applied power	Po	0.19	W / dot
Applied voltage	Vн	24.0	V
Maximum clock frequency	-	10	MHz
Maximum roller diameter	-	~	_
Life	-	50 / 1×10 ⁸	km / pulses
Maximum number of dots energized simultaneously	-	320	dots
Operating temperature	-	5~45	°C
Effective printing width	-	54.208	mm
Total dot number	-	640	dots
Res. value of heat element	Rave	3000	Ω

• Electrical characteristic curves



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