# Near edge thermal Printhead NE3002-GV10A

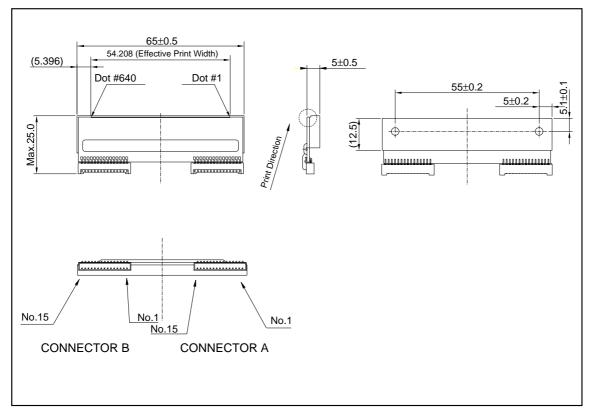
A near-edge structure and Real Flat glazing technology make it possible to use the NE printhead for straight path printing. This thermal printhead is made for card and heavy stock paper applications. Because the thickness and quality of the print media matter little, the NE is suitable for a wide range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

## Applications

Card printers Ticket printers

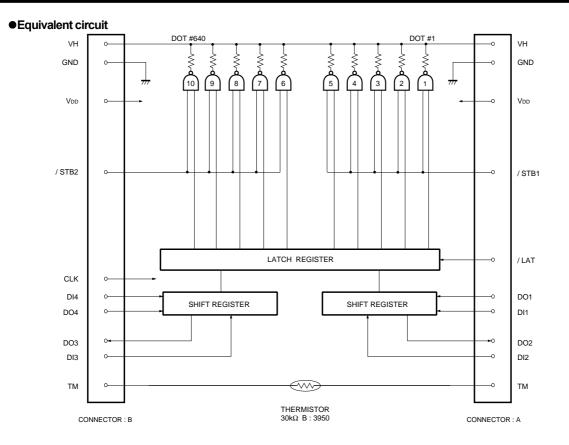
## Features

- 1) 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.
- 2) 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.
- 3) Inclined toward the printing surface to provide excellent printing quality even for cards and thick paper.



#### • External dimensions (Units : mm)

# Printheads



DI, STB DIVISION DOT No. CORRESPONDENCE

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

640~321
320~1

Fig. 1

# Printheads

# 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	TM		

# CONNECTOR A : IL-Z-15P-CLIP (JAE) CONNECTOR B : IL-Z-15P-CLIP (JAE)

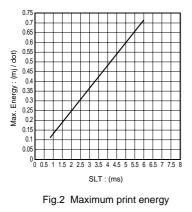
PIN No.	SIGNASL		
1	ТМ		
2	/ STB2		
3	DI3		
4	DO3		
5	GND		
6	GND		
7	GND		
8	GND		
9	DI4		
10	DO4		
11	CLK		
12	Vdd		
13	Vн		
14	Vн		
15	Vн		

## Characteristics

Parameter		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 <sup>8</sup>	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		3000	Ω

# Printheads

### • Electrical characteristic curves



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