High speed thermal printhead (with thermal historical control) SE2002-DC70A

High speed, high quality, and high durability are achieved by using step free structure with high performance partial glaze and highly conductive overcoat layer. SE200*-DC70A series are lined up which can accommodate with all types of barcode labeling printers from Direct to Thermal Transfer, normal to high speed (over 300mm/s).

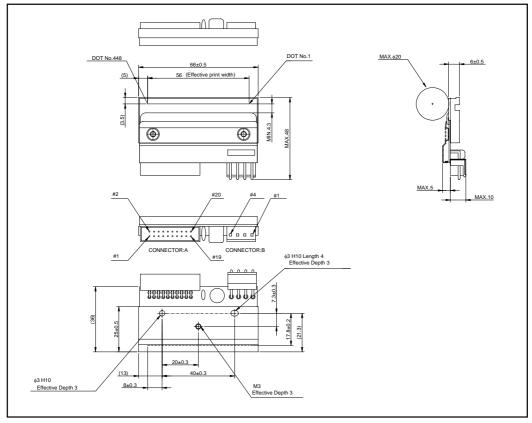
Applications

Bar code printer Label printer Packaging printer ATM Ticket printer

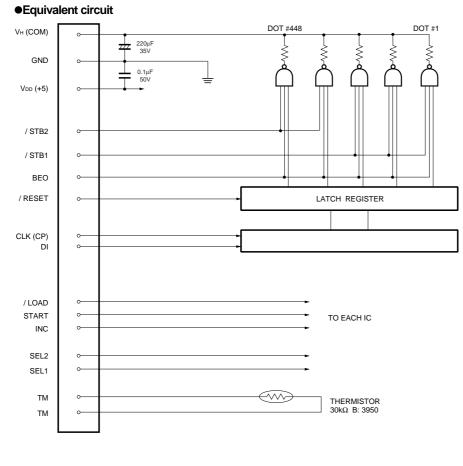
Features

- 1) ROHM new technology "STEP FREE" structure will provide, high corrosion resistance, better resistance against scratching damage, high efficiency.
- 2) High-hardness protect cote type "W-coat" is employed with 150km abrasion life-time.
- 3) A built in history-control functionality, high-speed printing up to 300mm / s can be achieved with clear print image.

•External dimensions (Unit : mm)



Printheads



/ STB No.	DOT No.
/ STB2	448 to 193
/ STB1	192 to 1

Pin assignments

DI No.

DI

DOT No.

448 to 1

CONNECTOR A						
No.	Circuit	No.	Circuit			
1	Vdd	2	BEO			
3	GND	4	DI			
5	GND	6	CLK(CP)			
7	/LOAD	8	START			
9	INC	10	N.C.			
11	SEL2	12	SEL1			
13	/RESET	14	/ STB 2			
15	/ STB 1	16	ТМ			
17	ТМ	18	SENS1			
19	SENS2	20	SENS3			

CONNECTOR B						
No.	Circuit	Circuit No. Circuit				
1	Vн (COM)	2	Vн (COM)			
3	GND	4	GND			

SE2002-DC70A Under development

Printheads

Characteristics

Parameter	Symbol	Typical	Unit
Effective printing width	-	56.0	mm
Dot pitch	-	0.125	mm
Total dot number	-	448	dots
Average resistance value	Rave	550	Ω
Applied voltage	Vн	24	V
Applied power	Po	0.93	W/dot
Print cycle	SLT	0.49	ms
Maximum number of dots energized simultaneously	-	448	dots
Maximum clock frequency	-	8	MHz
Maximum roller diameter	-	φ20	mm
Running life / pulse life	-	150/(1×10 ⁸)	km/pulses
Operating temperature	-	5 to 45	°C

Notes

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