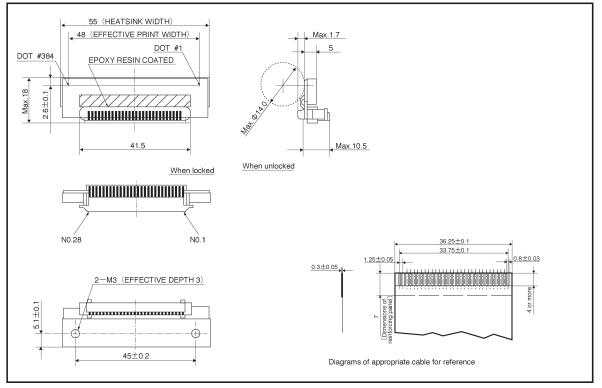
Compact low speed thick film thermal printhead (8 dots / mm) KF2002-GF10A

The KF2002-GF10A is a standard type 5 V thermal printhead, developed mainly for handy printers. Maximum printing speed of 2 inch / second is possible.

Applications
Handy printers
Receipt printers

- Features
- 1) Six strobe partitions enable low current printing.
- 2) Simple structure with our clip connector reduces the size and weight.

External dimensions (Units: mm)



Printheads

Equivalent circuit

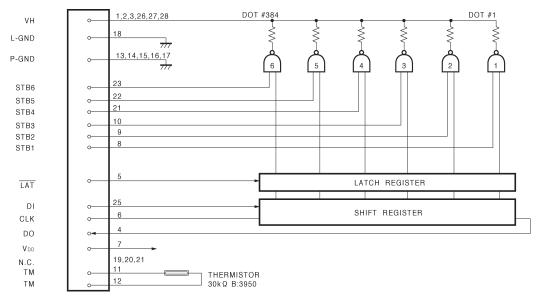


Fig. 1

Pin assignments

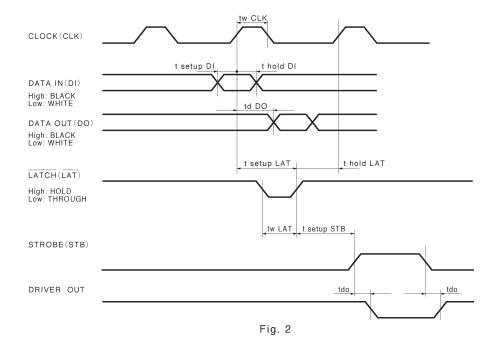
No.	Circuit		
1	VH		
2	VH		
3	VH		
4	DO		
5	LAT		
6	CLK		
7	Vdd		
8	STB1		
9	STB2		
10	STB3		
11	ТМ		
12	ТМ		
13	P-GND		
14	P-GND		

	1			
No.	Circuit			
15	P-GND			
16	P-GND			
17	P-GND			
18	L-GND			
19	N.C.			
20	N.C.			
21	STB4			
22	STB5			
23	STB6			
24	N.C.			
25	DI			
26	VH			
27	VH			
28	VH			

L-GND: LOGIC GROUND P-GND: POWER GROUND

Printheads

Timing chart



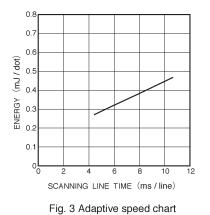
Characteristics

Parameter		Typical	Unit
Effective printing width		48.0	mm
Dot pitch	-	0.125	mm
Total dot number	-	384	dots
Average resistance value	Rave	142	Ω
Applied voltage	Vн	4.2~8.5	V
Applied power	Po	0.123	W / dot
Print cycle	SLT	5.0	ms
Pulse width	Τον	2.53	ms
Maximum number of dots energized simultaneously	-	64	dots
Maximum clock frequency	-	8	MHz
Maximum roller diameter	_	φ 14.0	mm
Running life / pulse life	-	50 / 5×10 ⁷	km / pulses
Operating temperature	_	5~45	C



Printheads

Electrical characteristic curves



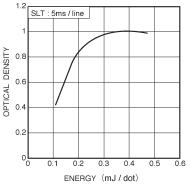
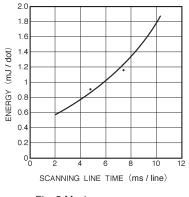


Fig. 4 Representative density curve





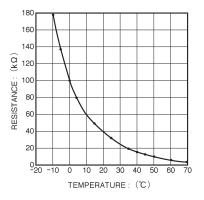


Fig. 6 Thermistor curve