

Thick Film Thermal Printhead (300dpi)

KD3002-DC92A

KD3002-DC92A is developing type of GL40 series which are developed mainly for label printe rs.

We have adopted low coefficient of abrasion and conductive protection coat to GL40 series which are possible for high speed and good printing quality.

That is KD3002-DC92A which is 24V standard thick film thermal print head with high speed, high quality of printing, high durability, long life, and strong resistance to abration.

Applications

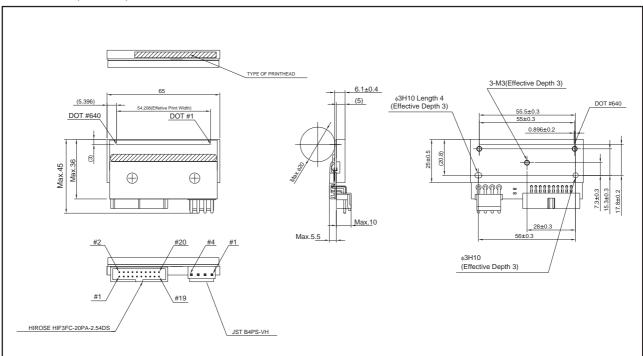
High speed label printer Food label printer High speed ticket printer High speed terminal printer

Features

1) Perform 150km life time adopting new protective coat.

- (Perform three times life time by coefficient of abrasion which is about is about 1/10 of current mass-producing coat.)
- 2) Build in thermal high speeded heater and perform high printing 4 IPS. (100mm / s)
- 3) Available for thermal transfer printing by adopting specific partial glaze..

•Dimensions (Unit : mm)



Equivalent circuit

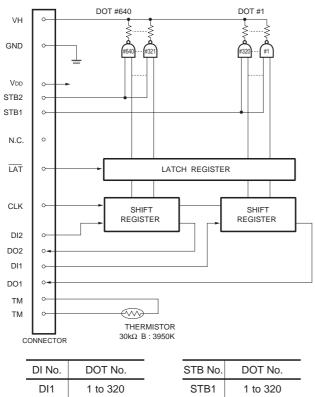


Fig. 1

STB2

321 to 640

Pin configuration

DI2

CONNECTOR A					
No.	Circuit	No.	Circuit		
1	GND	11	ТМ		
2	Vdd	12	ТМ		
3	GND	13	DI1		
4	Vdd	14	DO1		
5	STB2	15	N.C.		
6	CLK	16	N.C.		
7	D I 2	17	N.C.		
8	DO2	18	N.C.		
9	STB1	19	N.C.		
10	LAT	20	N.C.		

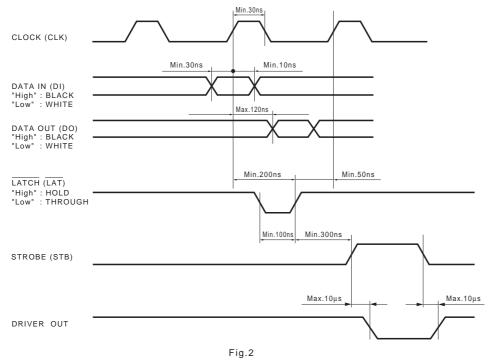
321 to 640

CONNECTOR B

No.	Circuit	
1	VH	
2	VH	
3	GND	
4	GND	

KD3002-DC92A

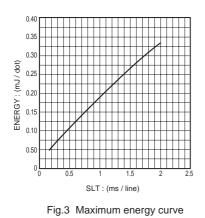
Timing chart

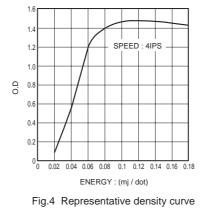


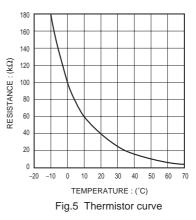
Characteristics

Parameter		Тур.	Unit
Effective printing width		54.21	mm
Dot pitch		0.0847	mm
Total dot number		640	dots
Average resistance value		1250	Ω
Applied voltage	Vн	24	V
Applied power	Po	0.55	W / dot
Print cycle	SLT	0.83	ms
Maximum number of dots energized simultaneously	-	640	dots
Maximum clock frequency	-	12	MHz
Maximum roller diameter	-	φ20.0	mm
Running life / pulse life	_	150 / 1×10 ⁸	km / pulses
Operating temperature	-	5 to 45	°C

Data sheet







Appendix

Notes

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