

Thick Film Thermal Printhead (300dpi)

KD3004-DC10A

KD3004-DC10A is developing type of GL40 series which are developed mainly for label printers.

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 KD3004-DC10A which is 24V standard thick film thermal print head with high speed, high quality of printing, high durability, long life, and strong resistance to abrasion.

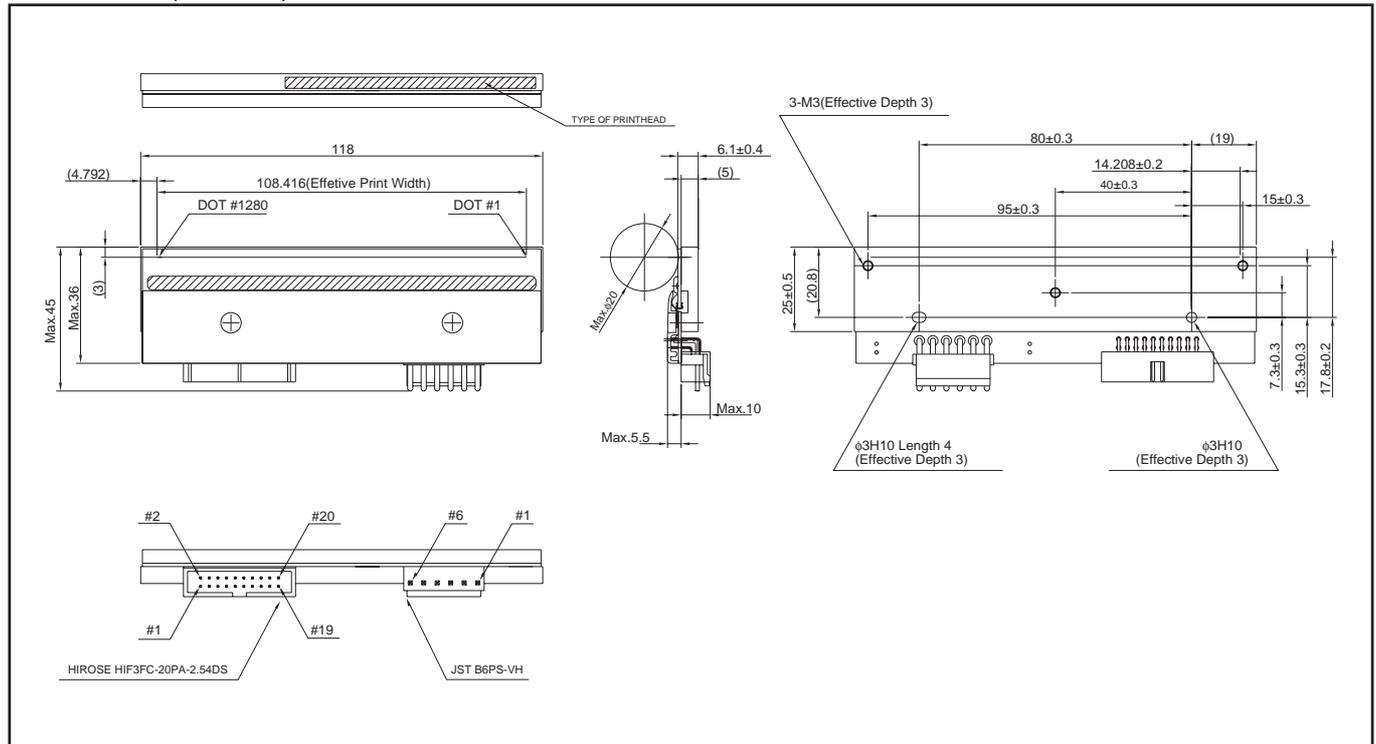
●Applications

- 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 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)



●Timing chart

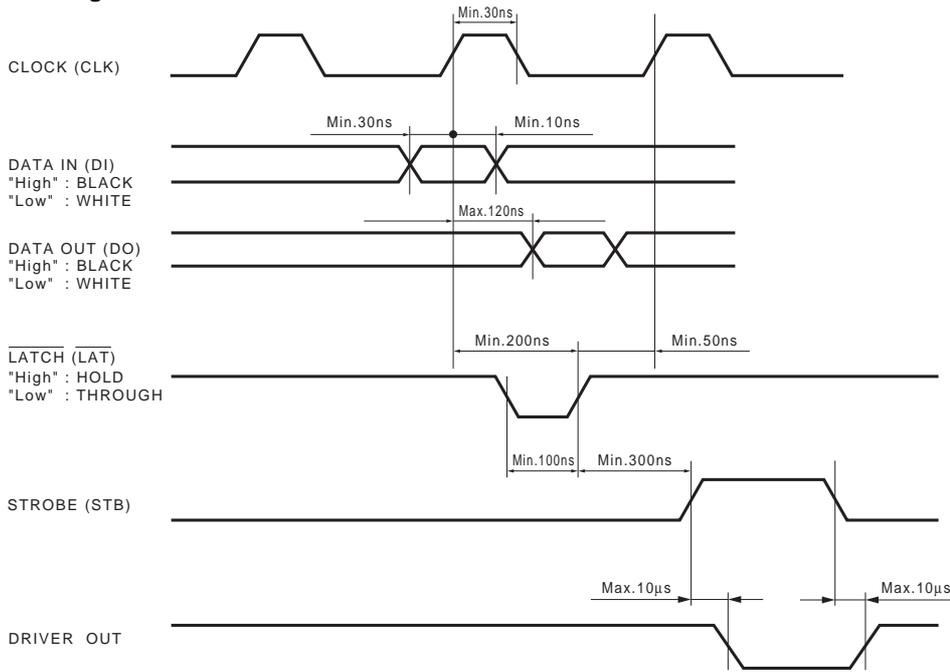


Fig.2

●Characteristics

Parameter	Symbol	Typ.	Unit
Effective printing width	—	108.42	mm
Dot pitch	—	0.0847	mm
Total dot number	—	1280	dots
Average resistance value	Rave	1000	Ω
Applied voltage	V _H	24	V
Applied power	P _O	0.51	W / dot
Print cycle	SLT	0.83	ms
Maximum number of dots energized simultaneously	—	1280	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

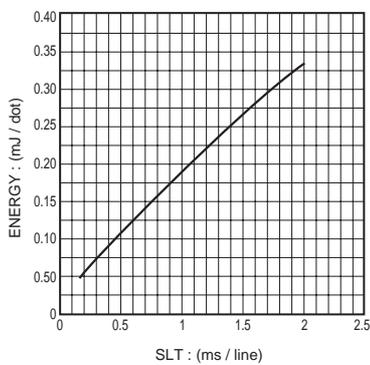


Fig.3 Maximum energy curve

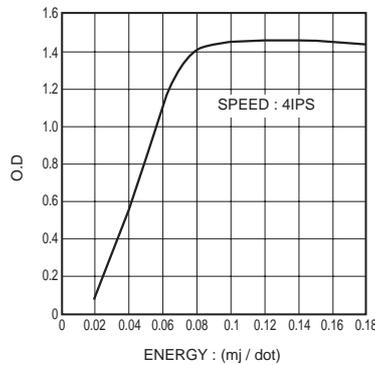


Fig.4 Representative density curve

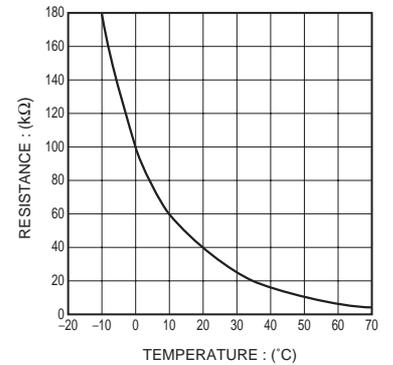


Fig.5 Thermistor curve

Notes

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