

Compact medium speed thick film thermal printhead (8 dots / mm)

KF2004-GC10A

The KF2004-GC10A is a standard 24 V thick-film thermal printhead with a printing speed of 3 inches / second, developed mainly for label printers.

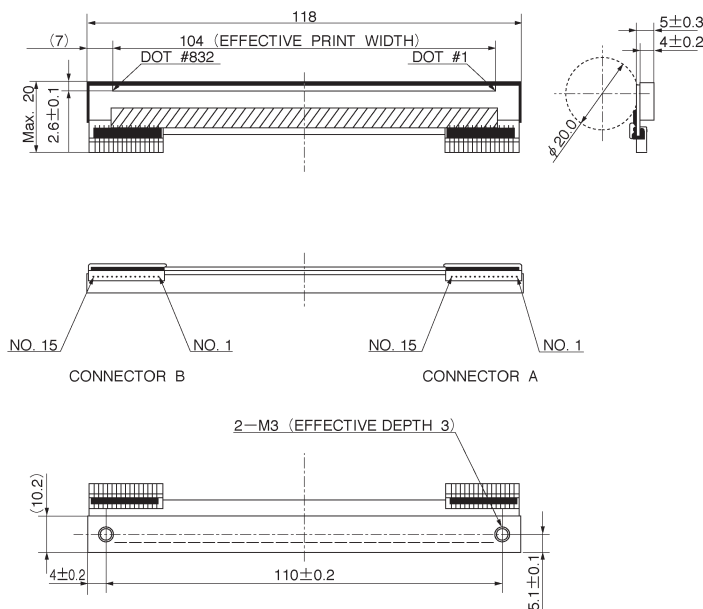
●Applications

Label printers
Ticket printers
Terminal printers

●Features

- 1) A new pin connector structure greatly reduces the size and weight.
- 2) A newly developed driving IC improves data transmission speed (8MHz) and ON resistance (half of the conventional product) to support a wide variety of control methods.
- 3) One rank resistance value of $800\ \Omega \pm 3\%$ eliminates the inconvenience of rank selection.
- 4) 2-inch, 3-inch and 4-inch series are available.

●External dimensions (Units: mm)



●Timing chart

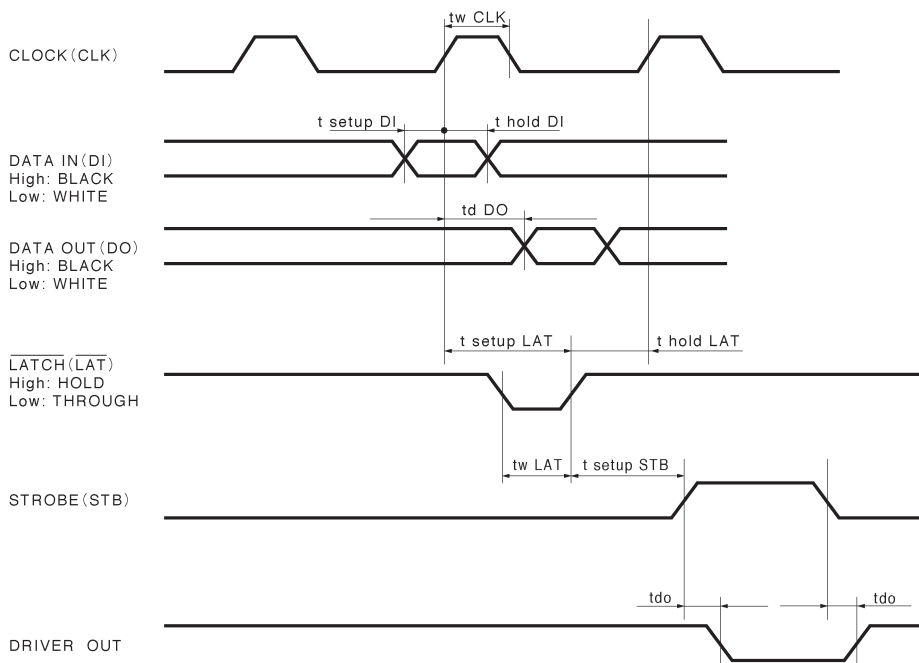


Fig.2

●Characteristics

Parameter	Symbol	Typical	Unit
Effective printing width	—	104	mm
Dot pitch	—	0.125	mm
Total dot number	—	832	dots
Average resistance value	Rave	800	Ω
Applied voltage	V _H	24	V
Applied power	P _O	0.61	W / dot
Print cycle	SLT	2.5	ms
Pulse width	T _{ON}	0.36	ms
Maximum number of dots energized simultaneously	—	448	dots
Maximum clock frequency	—	8	MHz
Maximum roller diameter	—	φ 20.0	mm
Running life / pulse life	—	50 / 5×10 ⁷	km / pulses
Operating temperature	—	5~45	°C

●Electrical characteristic curves

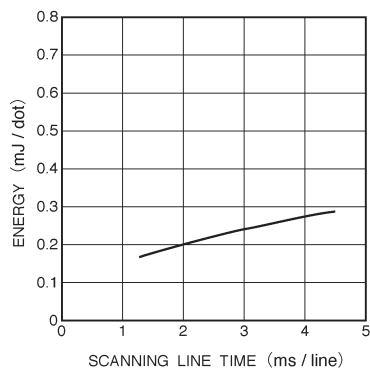


Fig. 3 Adaptive speed chart

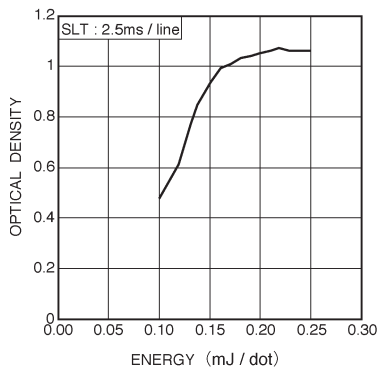


Fig. 4 Representative density curve

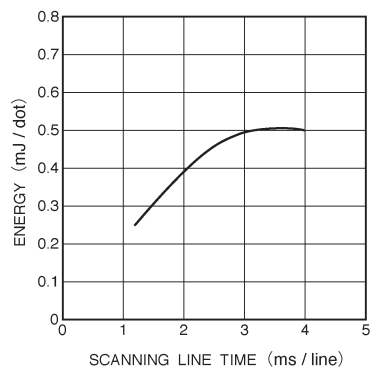


Fig. 5 Maximum energy curve

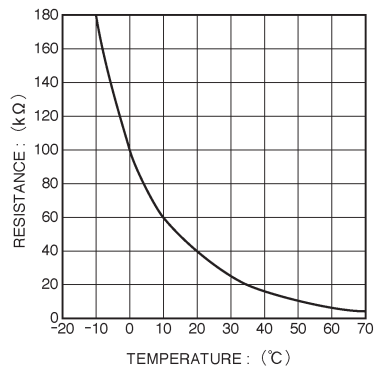


Fig. 6 Thermistor curve