



## Thermal Printer Head GY-2RB



### Characters:

Easier paper loading

Small in size & light in weight

Unique vertical body design, significant savings in the product space, make your product more compact size

High speed: can reach to 85mm/s( motor drive voltage is 8.5VDC)

Operating power range(4.2-8.5VDC)

Resolution Ration(8dots/mm)

Abrasion resistance: paper traveling distance long than 50km

Low noise: drive by non-magnetic pumping step motor, Made up of high abrasion & excellent weather resistance engineering plastics gear

Applicability: GY-2RB is compatible with APS's ELM205HS and SAMSUNG's SMP640V printer mechanism , is suitable for mini-thermal receipt printer, thermal cash register, etc.

### Functions

Item	Parameters
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Printing method	Thermal dot line printing
Printing width	48mm
Resolution of level	8dots/mm
Printing dots number of per line	384dots
Resolution of paper traveling	0.0625mm per step
Dot pitch	0.125mm
Dot size	0.125mm×0.12um
Driver	Stepping motor(4.2-10VDC pulse voltage)
Thermal head average resistance value	176Ω±4%
Printing speed(Max)	85mm/s(Motor voltage at 24VDC)
Paper width	58mm
Printing life	≥50km
Thermal head temperature detection	Via thermistor
Storage temperature	-20℃-60℃
Paper detection	Via a photo interrupter
Platen unit's fixation	May be off the basic mechanism to achieve installing paper easy
Printer head working logic voltage	VDD: 2.7-5.25VDC
Printer head working power voltage	VH: 3.15-8.5V
Motor voltage	4.2-8.5VDC
Path of paper traveling	Perpendicular bend
Paper cutting	Manual
Operating temperature	+5℃-45℃
Weight	38.5g
Operating humidity	20%-85%RH
Storage temperature	-20℃-60℃
Storage humidity	5%-95%RH
Periphery dimension	L=67.5mm,W=32.6mm,H=31mm,L(FPC)=58mm
Compatibility	APS's ELM205HS and SAMSUNG's SMP640V printer mechanism
Operating machine noise	60dB(Max)
Scope	Mini/pocket Cash register, POS printer, etc.
Operating machine noise	60dB(Max)