

GENERAL SPECIFICATIONS FOR LTPA245A-384



Model	LTPA245A-384
Print method	Thermal dot line printing
Dots per line	384 dots
Resolution (W x H)	8 dots/mm x 16 dots/mm
Print width	48 mm
Maximum printing speed	427 dot lines/s (53.4 mm/s) (at 5.0 V) ¹ 616 dot lines/s (77.0 mm/s) (at 7.2 V) ¹ 720 dot lines/s (90.0 mm/s) (at 8.5 V) ¹
Paper feed pitch	0.0625 mm
Head temperature detection	Via thermistor
Out-of-paper detection	Via photo interrupter
Operating voltage range V _P line (for head and motor drive)	4.5 V to 8.5 V (equivalent to four through four to six Ni-Cd or Ni-MH batteries, or two lithium-ion batteries)
V _{dd} line (for head logic)	2.7 V to 5.25 V
Current consumption For driving the head (V _P)	Average: 1.48 A (at 5 V), 2.13 A (at 7.2 V), 2.51 A (at 8.5 V) ²
For driving the motor (V _P)	Maximum: 1.53 A (at 5 V), 2.20 A (at 7.2 V), 2.60 A (at 8.5 V) ²
For head logic (V _{dd})	Maximum: 0.60 A Maximum: 54 mA

¹ Maximum printing speed is attained with the following conditions:

- When the driving voltage is 5 V, the character size is a 24-dot font, the line spacing is 16 dots, the temperature of the head is 50°C or more, and the number of simultaneously activated dots is 64 dots or less
- When the driving voltage is 7.2 V, the temperature of the head is 10°C or more, and the number of simultaneously activated dots is 64 dots or less
- When the driving voltage is 8.5 V and the number of simultaneously activated dots is 64 dots or less.

² When the number of simultaneously activated dots is specified as 64.

Operating temperature range	0°C to 50°C ³ No condensation
Storage temperature range	-25°C to 70°C ³ No condensation
Life span (at 25°C and rated energy) Activation pulse resistance Abrasion resistance	100 million pulses or more (print ratio=12.5%) 50 km or more
Paper width	⁺⁰ -1 58 mm
Paper feeding force	0.49N (50 gf) or more
Paper holding force	0.78N (80 gf) or more
Dimensions (width×depth×height)	69.2 × 28.3 × 31.7 mm (excluding lock arm lever and platen block)
Mass	Approximately 41 g

³ Outside this range, printing may blot or be light.