

FM Series Easy Loading Cutter

Thermal printing mechanisms



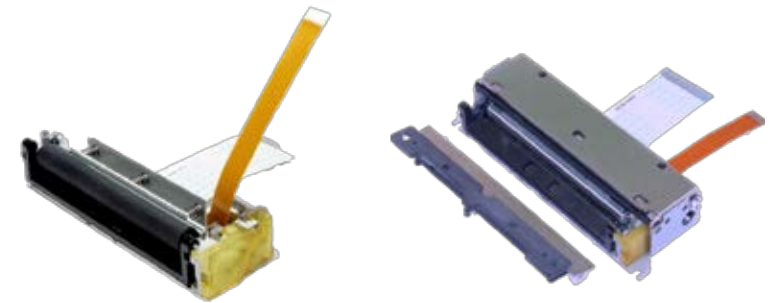
80 mm

Specifications

FM312

FM312-ELC

Printing method	Thermal	Thermal
Number of dots	576	576
Resolution (dots/mm)	8	8
Printing width (mm)	72	72
Paper width (mm)	80 +0/-1	80 +0/-1
Paper thickness (µm)	63 ± 5	63 ± 5
Paper weight (g/m ²)	55 ± 4	55 ± 4
Paper loading	Easy loading	Easy loading
Printing speed max. (mm/s)	170	170
Paper detection	Opto sensor	Opto sensor
Temperature detection	Thermistor	Thermistor
Head-up or Cover-open detection	Opto sensor	Opto sensor
Voltage range (Logic/Head)	3.0-5.5 V 9-16 V	3.0-5.5 V 9-16 V
Dot resistance (Ohm)	300 ±3%	300 ±3%
Energy per dot (mJ)	0.16	0.16
Stepper motor (Ohm)	Double Bipolar (12)	Double Bipolar (12)
Life/reliability	100 km/ 100M Pulses	100 km/ 100M Pulses/ >1M
Operating temperature (°C)	-10 to 50 °C	-10 to 50 °C
Operating humidity	10 to 90 (no condensation)	10 to 90 (no condensation)
Weight (g.)	57	approx. 150
Dimensions (WxDxH mm max.) (Main unit and fixed blade included, cable excluded)	95.4x32.7x15.3	110x51.5x23.2
Cutter type	Optional	Guillotine
Cutting type	-	Full and partial
Cutting pitch (mm) min.	-	10
Cutting frequency (cuts/min)	-	180
Cutter home position	-	Mechanical Switch



Features

- Ultra light and compact design
- Printing speed up to 170mm/s
- TPH life of 100 km of paper path and 100M pulses
- High resolution (8 dots/mm)

Applications

- Calculators
- Data terminal devices
- EFT POS
- Fiscal printers
- Hand held terminals
- ID automation
- Measuring instruments and analysers
- Medical equipment
- Ticketing

Options

- Chip Set
- Temp. extention
- Cutter