

FM Series Easy Loading Cutter

Thermal printer mechanisms

Paper



58 mm

RoHS



Features

- Ultra compact design
- Low consumption
- Printing speed up to 170 mm/s
- Full electrostatic protection
- Large operating voltage range 9 to 16 Volts
- Patented easy loading and easy door opening system

Applications

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

Specifications

	FM212	FM212-ELC
Printing method	Thermal	Thermal
Number of dots	384	384
Resolution (dots/mm)	8	8
Printing width (mm)	48	48
Paper width (mm)	58 +0/-1	58 +0/-1
Paper thickness (µm)	70	70
Paper weight (g/m ²)	65	65
Paper loading	Easy loading	Easy loading
Printing speed (mm/s)	170	170
Paper detection	Opto sensor	Opto sensor
Temperature detection	Thermistor	Thermistor
Voltage (Logic/Head/Cutter)	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)	Bipolar (19)	Bipolar (19)
Life/reliability	100 km/100M Pulses	100 km/100M Pulses > 1M cuts
Operating temperature (°C)	-10 to 50 °C	-10 to 50 °C
Operating humidity (%)	10 to 90 non cond.	10 to 90 non cond.
Weight (g)	40	110
Dimensions (WxDxH mm max)	69.3x32.7x15.3	82x51.5x23.2
<small>(Main unit and fixed blade, cable excluded)</small>		
Cutter life (M cuts)	-	> 1 M
Cutter type	Optional	Guillotine
Cutting type		Full and partial
Cutting time (ms)	-	~300 (@12v)
Cutting pitch (mm) min	-	10
Cutting frequency max. (cuts/min)	-	180
Cutter home position	-	by Mechanical Switch

Options

Chip set



GearPRO™



Temperature extention

