

COMPACT PLATFORMS

• Small size

• Smart design

• Competitive price



■ 60 mm | CM/RM

Thermal Printer Mechanism

- Available with or without cutter (1million cuts)
- Compact design
- Single connection
- High printing speed (up to 90 mm/sec.)
- Semi rigid card printing

Main Applications

- Automatic Teller Machines (ATM)
- Point of sales (POS)
- Phone card printing
- Weighing scales

| Mechanism with cutter Mechanism without cutter | Unit | CMBC | RMDG CMDG | RMDL CMDL |
|--|---------|------------------------------|---------------------|---------------------|
| Number of columns | mm | 24/32 | 24/32/48 | 24/32/48 |
| Number of dots | mm | 192 | 384 | 384 |
| Dot density | dots/mm | 4 | 8 | 8 |
| Printing width (max.) | mm | 48 | 48 | 48 |
| Paper width | mm | 60 | 60 | 60 |
| Maximum Printing speed | mm/s | 60 | 90 | 75 |
| Dot resistance | Ω | 530 | 1000 | 480 |
| Supply voltage (dot line/motors) | Vdc | 20-30 | 20-30 | 10-15.2 |
| Nominal value | Vdc | 24 | 24 | 12 |
| Consumption | mA/dot | 43 | 23 | 27 |
| Typical heating energy/dot | mJ | 1.2 | 0.3 | 0.42 |
| LSI supply voltage | Vdc | 5 | 5 | 5 |
| LSI driver chips | - | 3 | 6 | 6 |
| Number of strobes | - | 3 | 3 | 3 |
| Clock frequency (max.) | MHz | 10 | 4 | 4 |
| Paper feed/ cutter motors | - | unipolar | unipolar/bipolar | |
| Motor coil resistance (paper feed) uni/bipolar | Ω | 150/20 | 20 | 20 |
| Motor coil resistance (cutter) bipolar | Ω | - | 8 | 8 |
| Electrical life expectancy | pulse | 1.2 x 10 ⁸ | 1 x 10 ⁸ | 1 x 10 ⁸ |
| Dimensions with cutter W x D x H | mm | na | 65.7 x 74.5 x 42.1 | |
| Dimensions with cover and tearbar Length x Width x Height | mm | 62.5 x 74.5 x 36 | | |
| Weight with cutter | g | na | 250 | |
| Weight without cutter | g | 140 | 140 | |
| Mechanical life expectancy | km | up to 50 | | |
| Operating temperature | °C | - 10 to + 50 | 0 to + 50 | |
| End of paper | - | reflective opto sensor | | |
| Cutter blades position | - | micro-switch | | |
| Cutter life expectancy | cut | na | 1 000 000 | |
| Printhead connector | - | 30 pins connector flex cable | | |

| MECHANISM REFERENCE | COMPATIBLE BOARD | |
|---------------------|------------------|----------------------|
| | IEEE boards | RS 232 boards |
| CMDL1013 | MCAD0110 | MTAD 0110 |
| CMDL1014 | MCAD0110 | MTAD 0110 |
| CMDG0003 | " | MRAC 3010 |
| CMDG0004 | " | MRAC 3010 |
| CMDG1003 | " | MRAC 3010 |
| CMDG1004 | " | MRAC 3010 |
| CMDG0014 | MCAC0110 | MRAC 3110, MTAC 0110 |
| CMDG1013 | MCAC0110 | MRAC 3110, MTAC 0110 |
| CMDG1014 | MCAC0110 | MRAC 3110, MTAC 0110 |
| RMDG1033 | MCBI0510 | MRCI3510, MTBI0510 |
| RMDG1034 | MCBI0510 | MRCI 3510, MTBI0510 |
| RMDL1033 | MCBJ0510 | MTBJ 0510 |
| RMDL1034 | MCBJ0510 | MTBJ 0510 |

CODIFICATION

| | | | | | | | | |
|-----------------------------------|-----|--|-----|---|---|-----|-----|--|
| C Without Cutter R With Cutter | [X] | [M] | [X] | [X] | [X] | [X] | [X] | [X] |
| | | BC 4 dots/mm - 24V DG 8 dots/mm - 24V DL 8 dots/mm - 12V | | 0 Without Cover 1 With Cover or cutter | 0 Without gear for rewinder 1 With gear for rewinder | | | 3 Front paper detector 4 Rear paper detector |
| | | | | | | | | 0 Unipolar motor for cutter/ Unipolar motor for paper feed 1 Unipolar motor for cutter/ Bipolar motor for paper feed 2 Bipolar motor for cutter/ Unipolar motor for paper feed 3 Bipolar motor for cutter/ Bipolar motor for paper feed |

Example:
RMDG1034: Mini-printer mechanism (8 dots/mm - 24V) with cutter, with two bipolar motors and underneath paper entry.