



# MELF Resistors

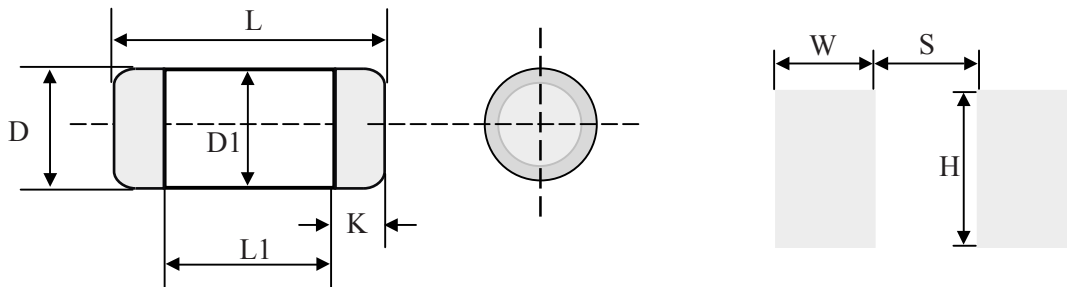
## RFM series - MELF non-inductance High frequency Resistors / 表面贴装高频无感电阻器

### ► Features

- Non-inductance.
- High frequency.
- Resistance range: 25Ω to 200Ω.
- Tolerance range: ±0.5% to ±5.0%.
- Power dissipation rating at 70°C up to 0.75W.
- Small size.



### ► Quick Reference Data



| Type  | RFM72                                   | RFM73      | RFM74      | RFM75     |           |
|---|---|------------|------------|-----------|-----------|
| Metric sizes  | DIN: 0102                               | DIN: 0204  | DIN: 0207  | DIN: 0207 |           |
| Resistance range  | 25Ω ~ 200Ω                              |            |            |           |           |
| Operating Temperature range   | -55°C ~ 125°C                           |            |            |           |           |
| Resistance Tolerance (%)  | D(±0.5); F(±1.0); J(±5.0)               |            |            |           |           |
| Temperature coefficient (PPM/°C)  | C2(±50); C3(±25); C5(±15); C6(±10)      |            |            |           |           |
| Rated dissipation (W) P <sub>70</sub>   | 0.125                                   | 0.25       | 0.5        | 0.75      |           |
| Operating mode  | standard                                | standard   | standard   | power     |           |
| Climatic category (LCT/UCT/days)  | 55/125/56                               | 55/125/56  | 55/155/56  | 55/155/56 |           |
| Dimension (mm)  | L±0.2                                   | 2.2        | 3.45       | 5.7       | 6.0       |
|   | L1±0.2                                  | 1.2        | 1.6        | 3.0       | 3.3       |
|   | D±0.2                                   | 1.3        | 1.3        | 2.1       | 2.1       |
|   | K±0.1                                   | 0.4        | 0.8 min    | 1.2 min   | 1.2 min   |
|   | D1±0.1                                  | D+0/D-0.15 | D+0/D-0.25 | D+0/D-0.3 | D+0/D-0.3 |
| Soldering bath (recommended) (mm)   | S                                       | 1.0        | 1.6        | 2.6       | 2.8       |
|   | W                                       | 2.0        | 2.0        | 2.5       | 2.5       |
|   | H                                       | 2.0        | 2.5        | 2.5       | 2.5       |
| Endurance, Max, resistance change at P <sub>70</sub> , ΔR/R max., after 1000h | ≤0.5% for Tol.=±1% & ≤1% for Tol.=±5%   |            |            |           |           |
| Derating  | standard type linear from 70°C to 125°C |            |            |           |           |
| Insulation voltage  | 500V                                    |            |            |           |           |
| Insulation resistance   | >1GΩ                                    |            |            |           |           |



# MELF Resistors

## ► How to Order



① Product type: RFM72, RFM73, RFM74, RFM75

② Resistance Value ( $\Omega$ ): 25 ~ 200

③ Resistance Tolerance (%)

| Code | Resistance Tolerance (%) |
|------|--------------------------|
| D    | $\pm 0.5$                |
| F    | $\pm 1.0$                |
| J    | $\pm 5.0$                |

④ Temperature coefficient (PPM/ $^{\circ}$ C)

| Code | Temperature coefficient (PPM/ $^{\circ}$ C) |
|------|---|
| C2   | $\pm 50$                                    |
| C3   | $\pm 25$                                    |
| C5   | $\pm 15$                                    |
| C6   | $\pm 10$                                    |

⑤ Packaging

| Code | Packaging   |
|------|-------------|
| T    | Taping Reel |
| P    | Bulk        |

