



# MELF Resistors

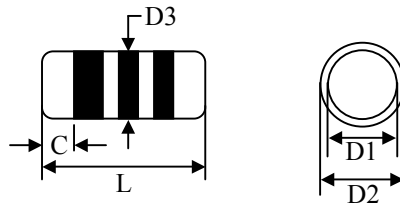
## Carbon Film - RDM series MELF Resistor / 无引线碳膜晶圓电阻器

### ► Features

- Coating color : Yellow.
- Marking : Color code (3 color band).
- Free direction for mounting due to cylindrical design.
- High solderability due to specially plated electrodes.
- Electrodes strength is higher than flat chip resistors.
- Lower current noise than thick film flat chip resistors.
- Suitable for reflow, flow and iron soldering.



### ► Quick Reference Data - Melf Resistor



Type	RDM73S	RDM73P	RDM74S	RDM74P	RDM16M	RDM17S	RDM17P	
DIN-44061 type	0204	0204	0207	0207	0207	0309	0309	
Power Rating (W)	1/8	1/4	1/4	1/2	1	1/2	1	
Resistance Range (Ω) E24	1 ~ 1M							
Resistance Tolerance	G: ±2%    J: ±5%							
Max. Working Voltage (V)	200	250	300	300	350	350	350	
Max. Overload Voltage (V)	400	500	600	600	700	700	700	
Packaging & Qty (pcs)	Case	60000	60000	24000	24000	12000	12000	24000
	Reel	3000	3000	1500	1500	1000	1000	1500
Dimensions (mm)	L	3.5±0.2	3.5±0.2	5.9±0.2	5.9±0.2	5.9±0.2	8.5±0.2	8.5±0.2
	C (Min.)	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	D1	1.40±0.15	1.40±0.15	2.2±0.1	2.2±0.1	2.2±0.1	3.2±0.2	3.2±0.2
	D2 (Max.)	1.55	1.55	2.4	2.4	2.4	3.4	3.4
	D3 (Max.)	1.25	1.25	2.1	2.1	2.1	3.0	3.0

### ► Characteristics - Melf Resistor

Item	Characteristics					Test Method	
	Type	TCR	0 ~ -350	0 ~ -600	0 ~ -1000		0 ~ -1500
Temp. Coefficient (PPM/°C)	>1/4W		<10K	11K~115K	160K~2M2	-	JIS-C(5202-5.2)
	1/8W		<1K	1K1~47K	51K~470K	510K~1M	
Short Time Overload	± (1.0% + 0.05Ω)					JIS-C(5202-5.5)	
Intermittent	± (1.0% + 0.05Ω)					JIS-C(5202-5.8)	
Resistance to Soldering	± (1.0% + 0.05Ω)					JIS-C(5202-6.4)	
Solderability	95% Coverage min					JIS-C(5202-6.5)	
Moisture Resistance	± (5.0% + 0.1Ω)					JIS-C(5202-7.9)	
Load Life	± (3.0% + 0.1Ω)					JIS-C(5202-7.10)	



# MELF Resistors

## ► How to Order

RDM74P

❶

1R

❷

J

❸

T

❹

❶ Product type: RDM73S, RDM73P, RDM74S, RDM74P, RDM16M, RDM17S, RDM17P

❷ Resistance Value( $\Omega$ ):  $1\Omega \sim 1M\Omega$

❸ Resistance Tolerance (%)

Code	Resistance Tolerance
G	$\pm 2\%$
J	$\pm 5\%$

❹ Packaging

Code	Packaging
T	Taping Reel
P	Bulk

