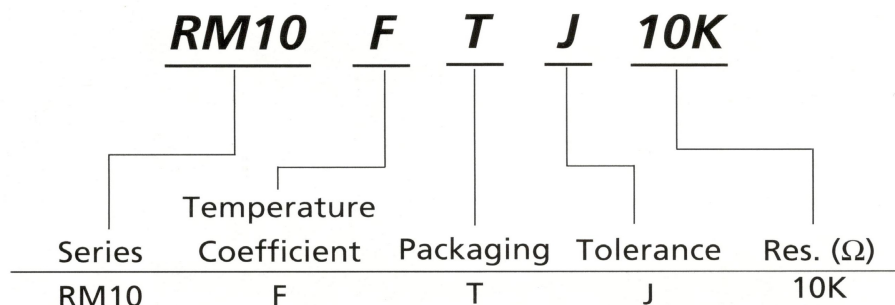




<u>Series</u>	<u>T. C. Codes</u>	<u>Tolerance Codes</u>	<u>Packaging Codes</u>
SRM06 = 1/16W	H = $\pm 500\text{ppm}/^\circ\text{C}$	F = $\pm 1\%$	T = Tape & Reel
RM06 = 1/16W	G = $\pm 350\text{ppm}/^\circ\text{C}$	G = $\pm 2\%$	
RM10 = 1/10W	F = $\pm 250\text{ppm}/^\circ\text{C}$	J = $\pm 5\%$	
SRM18 = 1/8W	E = $\pm 200\text{ppm}/^\circ\text{C}$		
RM18 = 1/8W	D = $\pm 100\text{ppm}/^\circ\text{C}$		
SRM25 = 1/4W			
RM25 = 1/4W			
RM50 = 1/2W			
RM100 = 1W			

THICK-FILM GLASS PASSIVATED CHIP RESISTORS**Description**

The RM/SRM Series Thick-Film Chip Resistors have been developed to facilitate the miniaturization of electronic circuitry. The RM/SRM Series was designed to allow superior P.C.B. circuit density as well as utilization of both sides of the board. PACCOM triple-layer composition chip resistors are glass passivated on 96% grade alumina substrate. High quality and superior reliability are achieved through 11 years of manufacturing experience. All RM/SRM Series chip resistors are 100% tested.

Features

- Excellent volumetric efficiency
- Very small, thin and light weight package size
- Highly reliable performance characteristics
- Excellent high frequency characteristics
- Reduced lead inductance
- Both flow and reflow solderable
- Perfect for high-speed pick-and-place assembly
- Zero Ω Jumper is available

Markings

3 and 4 digit marking of resistance value is marked in white on the black glass coat, resistive film side of each chip except the 0402 which is unmarked.

Characteristics**Temperature Range**

-55°C~+125°C

Temperature Coefficient

$\pm 100, \pm 200, \pm 250, \pm 350, \pm 500$ @
Room Temperature + 100°C

Temperature Cycling

$\pm (1\% + 0.1\Omega)$ Max @ -55°C~+125°C

Short Time Overload

$\pm (2\% + 0.1\Omega)$ Max @
Rated Voltage x 2.5 for 5 seconds

Moisture Resistance

$\pm (3\% + 0.1\Omega)$ Max @
40°C @ 90%~95% RH

**Load Life**

$\pm (3\% + 0.1\Omega)$ Max @ 70°C

Vibration

$\pm (1\% + 0.1\Omega)$ Max @
Low Frequency in 3 Directions
for 2 hrs/ea Direction

Solderability

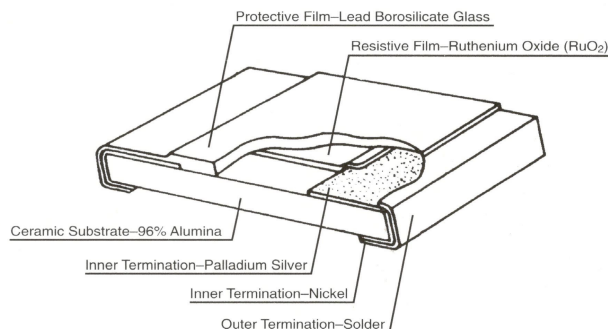
95% Min Coverage @ 230°C for 3 sec

Resistance to Soldering Heat

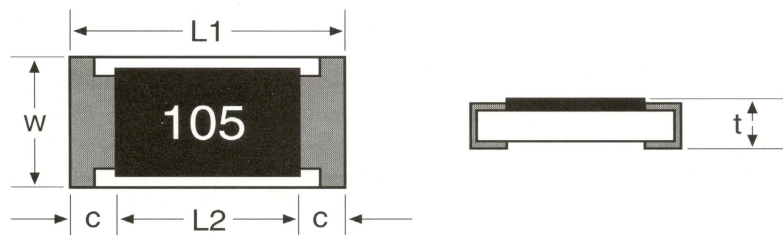
$\pm (1\% + 0.1\Omega)$ Max @ 260°C for 10 sec

Terminal Adhesion

$\pm (1\% + 0.1\Omega)$ Max @ 500g

Construction μ Notes

Dimensions



Series	Value	EIA Size	Dimensions (mm)				
			L1	L2	W	t	c
SRM06	1/16W	0402	1.0 ± 0.05	0.60 ± 0.10	0.50 ± 0.05	0.35 ± 0.05	0.2 ± 0.10
RM06	1/16W	0603	1.6 ± 0.15	1.0 ± 0.20	0.80 ± 0.15	0.45 ± 1.00	0.3 ± 0.20
RM10	1/10W	0805	2.0 ± 0.20	1.3 ± 0.20	1.25 ± 0.20	0.50 ± 0.10	0.3 ± 0.20
SRM18	1/8W	0805	2.0 ± 0.20	1.3 ± 0.20	1.25 ± 0.20	0.50 ± 0.10	0.3 ± 0.20
RM18	1/8W	1206	3.2 ± 0.20	2.2 ± 0.20	1.60 ± 0.20	0.60 ± 0.10	0.5 ± 0.30
SRM25	1/4W	1206	3.2 ± 0.20	2.2 ± 0.20	1.60 ± 0.20	0.60 ± 0.10	0.5 ± 0.30
RM25	1/4W	1210	3.2 ± 0.20	2.2 ± 0.20	2.60 ± 0.20	0.60 ± 0.10	0.5 ± 0.30
RM50	1/2W	2010	5.0 ± 0.20	3.8 ± 0.20	2.50 ± 0.20	0.60 ± 0.10	0.6 ± 0.20
RM100	1W	2512	6.4 ± 0.20	5.0 ± 0.20	3.20 ± 0.20	0.60 ± 0.10	0.7 ± 0.20

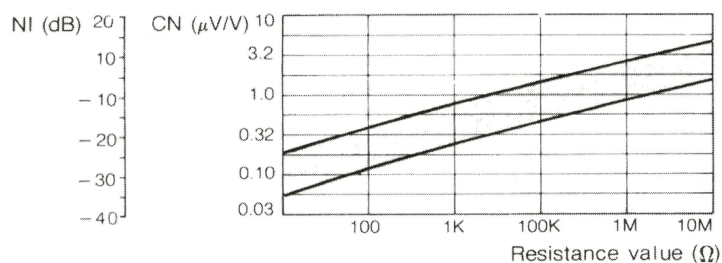
Resistance Voltage Values & Tolerance Ranges

Series	EIA Size	T.C.R (PPM/°C)	Power Rating (W)	Maximum Working (V)	Maximum Overload (V)	Resistance Values (Ω)		
						± 1% (F)	± 2% (G)	± 5% (J)
SRM06	0402	± 250	0.063	25	50	—	—	10~1M
RM06	0603	± 200	0.063	50	100	100~100K	10~1M	10~1M
	0603	± 350	0.063	50	100	—	1~9.1	1~9.1
	0603	± 350	0.063	50	100	—	1.1M~5.6M	—
RM10	0805	± 200	0.100	150	300	10~1M	10~1M	10~1M
	0805	± 250	0.100	150	300	—	2.2~9.1	2.2~9.1
	0805	± 250	0.100	150	300	—	1.1M~5.1M	1.1M~5.1M
	0805	± 350	0.100	150	300	—	—	1.0~3.6
	0805	± 350	0.100	150	300	—	—	5.6M~10M
SRM18	0805	± 100	0.125	150	300	10~1M	10~1M	10~1M
RM18	1206	± 200	0.125	200	400	10~1M	10~1M	10~1M
	1206	± 200	0.125	200	400	(1.1M~3.9M)	(1.1M~3.9M)	—
	1206	± 250	0.125	200	400	—	2.2~9.1	2.2~9.1
	1206	± 250	0.125	200	400	—	1.1M~5.1M	1.1M~5.1M
	1206	± 350	0.125	200	400	—	—	1.0~3.6
	1206	± 350	0.125	200	400	—	—	5.6M~10M
SRM25	1206	± 350	0.125	200	400	—	—	(11M~22M)
	1206	± 100	0.250	200	400	10~1M	10~1M	10~1M
	1210	± 200	0.250	200	400	10~1M	10~1M	10~1M
RM25	1210	± 250	0.250	200	400	—	—	2.2~9.1
	2010	± 200	0.500	200	400	100~1M	100~1M	10~1M
RM100	2512	± 200	1.000	200	400	—	—	10~160K

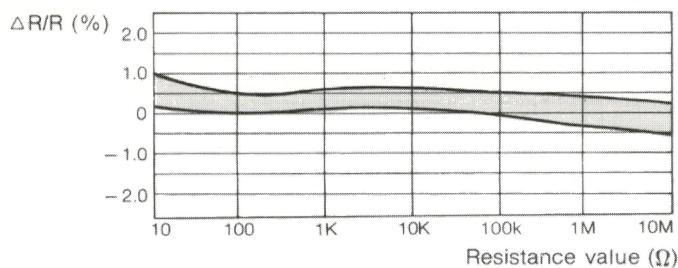
μNotes

 Thick-Film Chip
Resistors

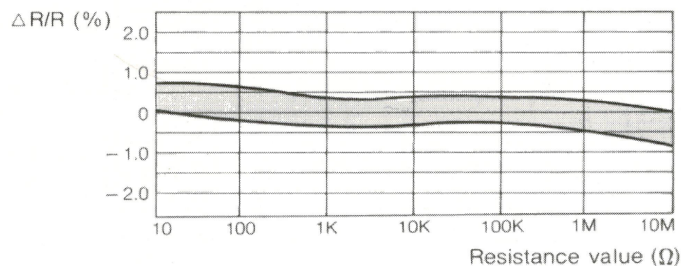
Current noise



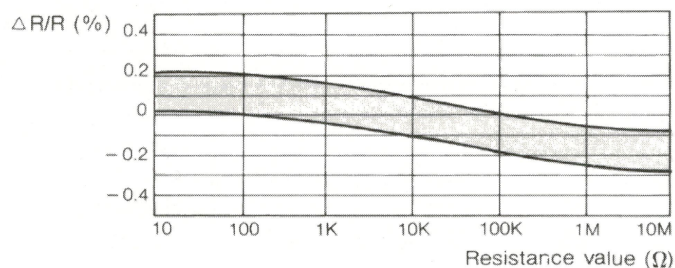
Load life (1,000 hrs)



Load life in moisture (1,000 hrs)

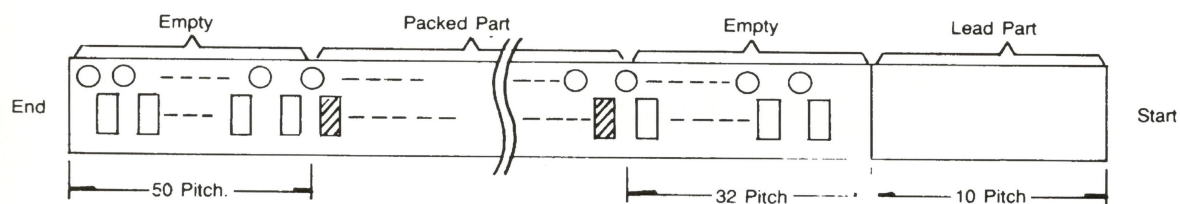
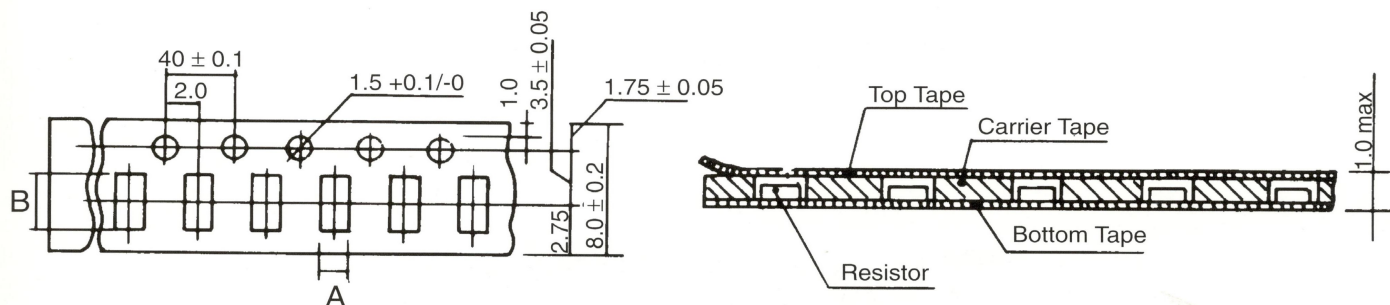


Resistance to soldering heat

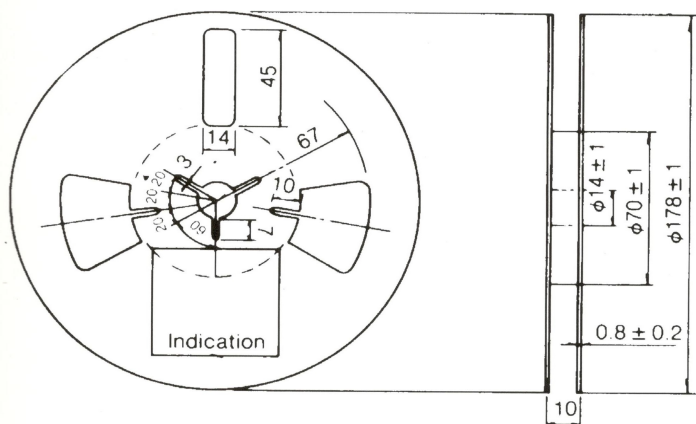


μNotes

Tape and Reel Specifications



Reel Dimensions



μNotes

Thick-Film Chip
Resistors