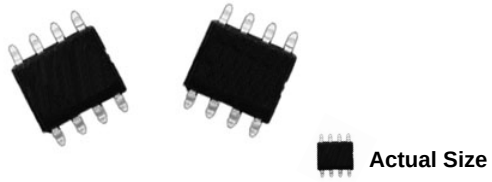
Molded, 50 Mil Pitch, Dual-In-Line Resistor Networks



Actual Size

FEATURES

- Tight T.C. tracking
- Monolithic reliability
- Low noise
- Rapid Rise Time
- Low cost

The RMK series of small outline surface mount style molded package can accommodate resistor network to your particular application requirements in compact circuit integration. The resistor element is a proprietary nickel chromium film formulation on oxidized silicon.
Utilizing those networks will enable you to take advantage of parametric performances which will introduce in your circuitry high thermal and load life stability together with the added benefits of low noise and rapid rise time.

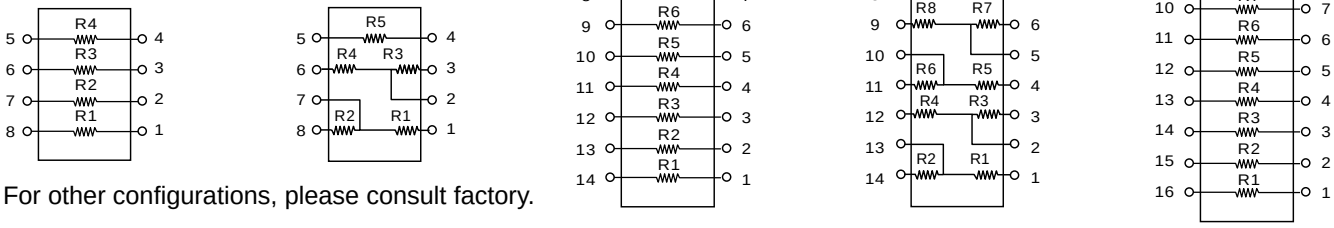
TYPICAL PERFORMANCE

	ABS	TRACKING
TCR	10	5
	ABS	RATIO
TOL	0.1	0.05

SCHEMATIC

RMKM S408 RMKM S508 RMKM S714 RMKM S914 RMKM S816

Case S08 **Case S014** **Case S016**



For other configurations, please consult factory.

STANDARD ELECTRICAL SPECIFICATIONS

TEST		SPECIFICATIONS	CONDITIONS
SIZES		S08, S014, SO16	
Resistance Range		500 ohms to 200K	
TCR:	Tracking	± 5ppm/°C Max.	- 55°C to + 125°C
	Absolute	± 15ppm/°C (- 55°C to + 125°C); ± 10ppm/°C (0°C to + 70°C)	
Tolerance:	Ratio	0.05% to 0.5% (0.02 upon request)	
	Absolute	± 0.1% to ± 1%	
Power Rating:	Resistor	50mW	
	Package	S08 = 250mW S014 = 500mW S016 = 500mW	@ + 70°C
Stability	ΔR Absolute	0.05%	2000 hrs. @ + 70°C
	ΔR Ratio	0.02%	2000 hrs. @ + 70°C
Voltage Coefficient		< 0.1ppm/Volt	
Working Voltage		50V$_{DC}$ Max.	
Operating Temperature Range		- 55°C to + 125°C	
Storage Temperature Range		- 55°C to + 155°C	
Noise		- 35dB (Typical)	MIL-STD-202, Meth. 308
Thermal EMF		0.1μV/°C	
High Temp. Storage*:	Absolute	0.075%	2000 hrs. @ + 125°C
	Ratio	0.025%	2000 hrs. @ + 125°C

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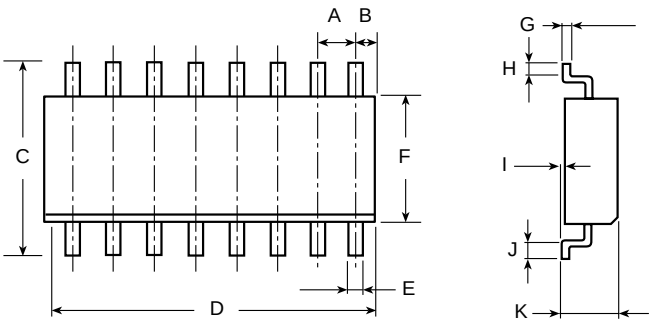
RMKM

Vishay Thin Film Molded, 50 Mil Pitch, Dual-In-Line Resistor Networks

DIMENSIONS AND IMPRINTING in inches and millimeters



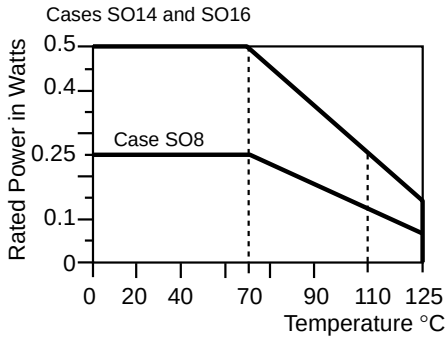
Imprinting:

VISHAY logo, series, ohmic value, tolerance, manufacturing date

DIMENSION	INCHES	MILLIMETERS
A	0.05	Pitch 1.27
B	0.025	0.63 Max.
C (S08)	0.232/0.244	5.9/6.2
C (S014)	0.232/0.244	5.9/6.2
C (S016)	0.248/0.260	6.3/6.6
D (S08)	0.187/0.195	4.75/4.95
D (S014)	0.337/0.344	8.55/8.75
D (S016)	0.386/0.394	9.8/10
E	0.014/0.018	0.35/0.45
F (S08)	0.154/0.157	3.9/4
F (S014)	0.154/0.157	3.9/4
F (S016)	0.154/0.157	3.9/4
G	0.007/0.010	0.185/0.265
H, J	0.015	0.40
I	0.004/0.007	0.1/0.2
K	0.070 Max.	1.75 Max.

MECHANICAL SPECIFICATIONS	
Mechanical Protection	Epoxy Molded Assembly
Terminal Leads	Tinned
Resistive Element	Passivated Nichrome
Unit Weight: Case S08	0.070g
Cases S014, S016	0.146g

DERATING CURVE



How to Order

Series	Package	Number of Resistors	Number of Pins	Ohmic Value	Tolerance/ Ratio
RMKM	**S**	**5**	**08**	**10K ohms**	**B**

Number of Resistors	Number of Pins
4	**08**
5	**14**
7	**16**
8	
9	

Abs. Tol.	Ratio
A = ±0.1%	0.05%
B = ±0.1%	0.1%
D = ±0.5%	0.1%
F = ±1.0%	0.5%

Tighter upon request