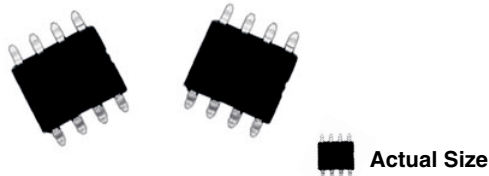


Molded, 50 Mil Pitch, Dual-In-Line Resistor Networks

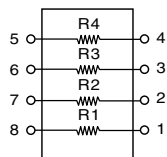


The RMKM series of small outline surface mount style molded package can accommodate resistor network to your particular application requirements in compact circuit integration. The resistor element is a special nickel chromium film formulation on oxidized silicon.

Utilizing those networks will enable you to take advantage of parametric performances which will introduce in your circuitry high thermal and load life stability (0.05 % abs, 0.02 % ratio, 2000 h at + 70 °C at Pn) together with the added benefits of low noise and rapid rise time.

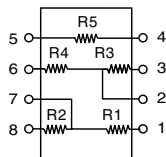
SCHEMATIC

RMKM S408

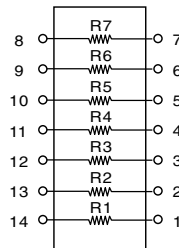


RMKM S508

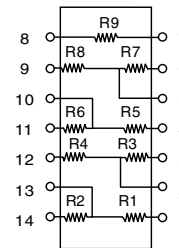
Case S08



RMKM S714

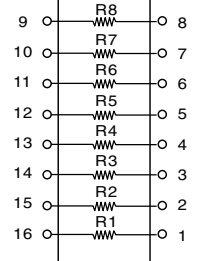


RMKM S914



RMKM S816

Case S016



For other configurations, please consult factory.

FEATURES

- Tight TCR tracking down to 5 ppm/°C
- Monolithic reliability
- Low noise < - 35 dB



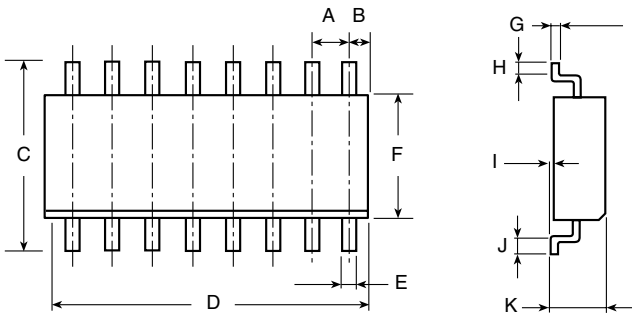
TYPICAL PERFORMANCE

	ABS	TRACKING
TCR	10 ppm/°C	5 ppm/°C
	ABS	RATIO
TOL	0.1 %	0.05 %

STANDARD ELECTRICAL SPECIFICATIONS

TEST	SPECIFICATIONS		CONDITION
SIZES	S08, S014, S016		
Resistance Range	500 Ω to 200K		
TCR:	Tracking	± 5 ppm/°C Max.	- 55 °C to + 125 °C
	Absolute	± 15 ppm/°C (- 55 °C to ± 125 °C); ± 10 ppm/°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	50 mW	
	Package	S08 = 250 mW S014 = 500 mW S016 = 500 mW	at + 70 °C
Stability	ΔR Absolute	0.05 %	2000 hrs at + 70 °C at P
	ΔR Ratio	0.02 %	2000 hrs at + 70 °C at P
Voltage Coefficient	< 0.1 ppm/Volt		
Working Voltage	50 V _{DC} Max.		
Operating Temperature Range	- 55 °C to + 125 °C		
Storage Temperature Range	- 55 °C to + 155 °C		
Noise	- 35 dB (typical)		MIL-STD-202, Meth. 308
Thermal EMF	0.1 μV/°C		
High Temp. Storage Shelf Life Stability	Absolute	0.075 %	2000 hrs at + 125 °C
	Ratio	0.025 %	2000 hrs at + 125 °C

DIMENSIONS AND IMPRINTING in inches and millimeters



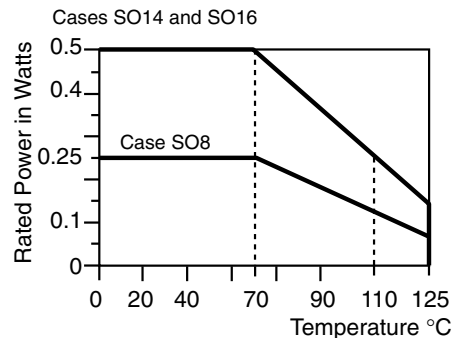
Imprinting:

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

	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 (S14)	0.232/0.244	5.9/6.2
C (S16)	0.248/0.260	6.3/6.6
D (S08)	0.187/0.195	4.75/4.95
D (S14)	0.337/0.344	8.55/8.75
D (S16)	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 (S14)	0.154/0.157	3.9/4
F (S16)	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	100 % Tin
Resistive Element	Passivated Nichrome
Unit Weight: Case S08	0.070 g
Cases S014, S016	0.146 g

DERATING CURVE



GLOBAL PART NUMBER INFORMATION				
New Global Part Numbering: RMKMS40810KFDT (preferred part number format)				
R	M	K	M	S
4	0	8	1	0
K	F	D	T	
GLOBAL MODEL	VALUE	ABS. TOLERANCE	RATIO TOLERANCE	PACKAGING
RMKMS408 RMKMS508 RMKMS816 RMKMS714 RMKMS914	Decimal: R or K	B = 0.1 % D = 0.5 % F = 1.0 %	B = 0.1 % W = 0.05 % P = 0.02 % L = 0.01 %	T = TAPE
Historical Part Number example: RMKMS 408 10K 1% abs 0.5% ratio T (will continue to be accepted)				
RMKMS 408	10K	1% abs 0.5% ratio	T	
HISTORICAL MODEL	VALUE	ABS. TOLERANCE AND RATIO TOLERANCE	PACKAGING	



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