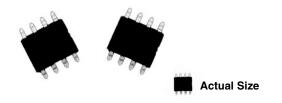


RMKMS (CNM)

Vishay Sfernice

SMD Molded, 50 Mil Pitch, Dual-In-Line Thin Film 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 % absolute, 0.02 % ratio, 2000 h at + 70 °C at Pn) together with the added benefits of low noise and rapid rise time.

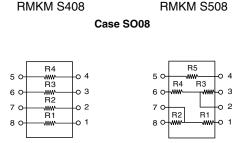
FEATURES

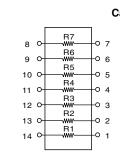
- Tight TCR tracking down to 5 ppm/°C
- Monolithic reliability
- Low noise < 35 dB
- SMD precision networks
- SO08, SO14, SO16 cases
- MSL 1 to JEDEC J-STD-020C specification

TYPICAL PERFORMANCE

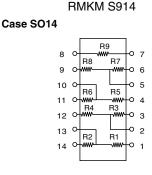
	ABSOLUTE	TRACKING	
TCR	10 ppm/°C	5 ppm/°C	
	ABSOLUTE	RATIO	
TOL.	0.1 %	0.05 %	

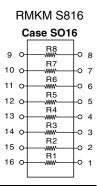






RMKM S714





For other configurations, please consult factory.

STANDARD ELECTRICAL SPECIFICATIONS

STANDARD ELECTRICAL SPECIFICATIONS								
MODEL	SIZE	RESISTANCE RANGE Ω	POWER RATING PER RESISTOR W	POWER RATING PER PACKAGE P _{70°C} W	ABSOLUTE TOLERANCE ± %	RATIO TOLERANCE ⁽²⁾ ± %	ABSOLUTE TCR ⁽¹⁾ ± ppm/°C	RATIO TCR ± ppm/°C
RMKMS	SO08	500 to 200K	0.050	0.250	0.1, 0.5, 1	0.05, 0.1, 0.5	10, 15	5
RMKMS	SO14	500 to 200K	0.050	0.500	0.1, 0.5, 1	0.05, 0.1, 0.5	10, 15	5
RMKMS	SO16	500 to 200K	0.050	0.500	0.1, 0.5, 1	0.05, 0.1, 0.5	10, 15	5

Notes

 $^{(1)}~\pm$ 10 ppm/°C at 0 °C to + 70 °C; \pm 15 ppm/°C at - 55 °C to \pm 125 °C

⁽²⁾ 0.02 % upon request

PERFORMANCES			
TEST	SPECIFICATIONS	CONDITION	
Stability: ∆R Absolute	0.05 %	2000 h at + 70 °C at P	
Stability: ∆R Ratio	0.02 %	2000 h at + 70 °C at P	
Voltage coefficient	< 0.1 ppm/V		
Working voltage	50 V _{DC} maximum		
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	0.075 %	2000 h at + 125 °C	
stability	0.025 %	2000 h at + 125 °C	

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1

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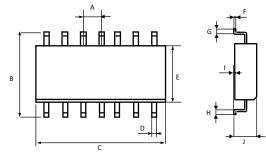
For technical questions, contact: <u>sferthinfilm@vishay.com</u> THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE. THE PRODUCTS DESCRIBED HEREIN AND THIS DOCUMENT ARE SUBJECT TO SPECIFIC DISCLAIMERS, SET FORTH AT <u>www.vishay.com/doc?91000</u>

RMKMS (CNM)

Vishay Sfernice



DIMENSIONS AND IMPRINTING



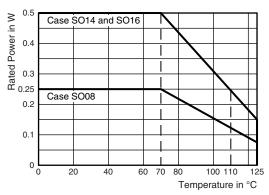
Imprinting: VISHAY logo, series, ohmic value, tolerance, manufacturing date

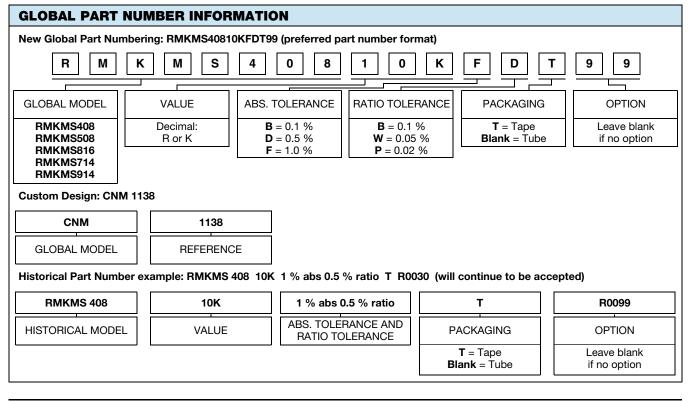
MECHANICAL SPECIFICATIONS			
Mechanical pr	otection	Epoxy molded assembly	
Terminal leads	3	100 % tin	
Resistive elem	nent	Passivated nichrome	
Unit weight:	Case SO08	0.070 g	
	Cases SO14, SO16	0.146 g	

MARKING					
	TOLERANCE CODING				
А	В	D	F	Х	
0.1 %	0.1 %	0.5 %	1 %	0.1 %	
0.05 %	0.1 %	0.1 %	0.5 %	0.02 % (on request only)	

DIMENSION	INCHES	MILLIMETERS
А	Pitch 0.05	Pitch 1.27
В	0.230/0.244	5.84/6.2
C (SO08)	0.189/0.196	4.80/4.98
C (SO14)	0.337/0.344	8.56/8.74
C (SO16)	0.386/0.393	9.80/9.98
D	0.014/0.020	0.35/0.51
E	0.150/0.157	3.81/3.99
F	0.007/0.010	0.17/0.254
G, H	0.016/0.035	0.40/0.89
1	0.004/0.010	0.10/0.254
J	0.061/0.068	1.55/1.73

DERATING CURVE





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