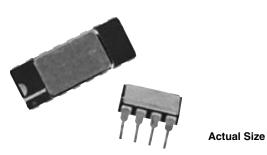
HALOGEN

FREE



www.vishay.com

Hermetic, Dual-In-Line Packaged Thin Film Resistor, Through Hole Networks



DESIGN SUPPORT TOOLS

click logo to get started

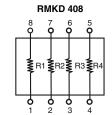


The superstable RMKD nickel-chromium integrated networks are available in a range of standard designs which bring a completely new "state-of-the-art" to precision network performance criteria.

Circuit designers can now incorporate into their circuitry the ultimate in today's performance characteristics as "standards", without needing to call out specially engineered designs at premium prices.

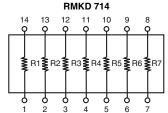
SCHEMATIC

Standard Configuration, 8 Leads Hermetic DIL



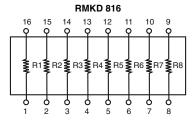
4 Equal and Independent Resistors

Standard Configuration, 14 Leads Hermetic DIL



7 Equal and Independent Resistors

Standard Configuration, 16 Leads Hermetic DIL



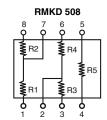
8 Equal and Independent Resistors

FEATURES

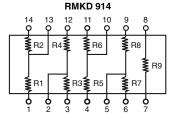
- 500 Ω to 200 k Ω
- High stability: < 300 ppm maximum, 2000 h at Pn at +70 °C
- Gold terminal
- Hermetic cases: Dual-in-line
- Through hole
- Custom available (CNP)
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

TYPICAL PERFORMANCE

	ABS	TRACKING
TCR	10 ppm/°C	1 ppm/°C
	ABS	RATIO
TOL.	0.05 %	0.02 %



Dual Divider Feedback Network with Equal Value Resistors



Quad Divider Feedback Network with Equal Value Resistors

Notes

Revision: 12-Apr-18

For different values in a network a specific part number is used: CNPxxxx. Please consult Vishay Sfernice

• For values outside ohmic range please consult Vishay Sfernice

1 Document Number: 60049



STANDARD ELECTRICAL SPECIFICATIONS						
MODEL	RESISTANCE RANGE Ω	POWER RATING ⁽¹⁾ W	ABSOLUTE TOLERANCE ± %	RATIO TOLERANCE %	ABSOLUTE TCR ⁽²⁾ ± ppm/°C	RATIO TCR ⁽³⁾ ± ppm/°C
RMKD 408	500 to 200K	0.125	0.05, 0.1	0.01, 0.02, 0.05	5, 10	1, 2
RMKD 508	500 to 200K	0.250	0.05, 0.1	0.01, 0.02, 0.05	5, 10	1, 2
RMKD 714	500 to 200K	0.250	0.05, 0.1	0.01, 0.02, 0.05	5, 10	1, 2
RMKD 816	500 to 200K	0.250	0.05, 0.1	0.01, 0.02, 0.05	5, 10	1, 2
RMKD 914	500 to 200K	0.250	0.05, 0.1	0.01, 0.02, 0.05	5, 10	1, 2

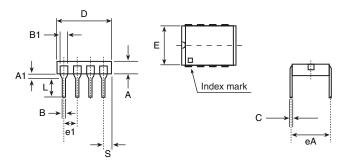
Notes

- $^{(1)}$ Per Package at +70 °C $^{(2)}$ \pm 5 ppm/°C typical at 0 °C to +70 °C, \pm 10 ppm/°C maximum at -55 °C to +155 °C
- (3) At -55 °C to +155 °C

PERFORMANCES			
TEST	SPECIFICATIONS	CONDITIONS	
CONFIGURATIONS	RMKD 408, RMKD 508, RMKD 714, RMKD 816, RMKD 914		
Stability (\(\Delta R \) ratio)	< 300 ppm maximum	2000 h at +70 °C at Pn	
Working voltage	100 V _{CC} on <i>R</i>		
Operating temperature range	-55 °C to +155 °C		
Storage temperature range	-55 °C to +155 °C		
Noise	-35 dB typical	MIL-STD-202, model 308	
Thermal EMF	< 0.1 μV/°C		

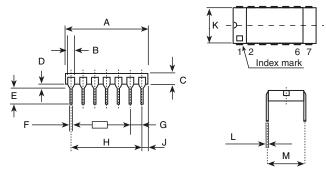
DIMENSIONS

RMKD 408 and RMKD 508



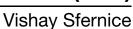
DIMENSION	INCHES	MILLIMETERS
D	0.401	10.20 ± 0.10
B1	0.046	1.19
A1	0.035	0.89 ± 0.25
Α	0.086	2.20 ± 0.20
L	0.129 minimum	3.30 minimum
В	0.018	0.46 ± 0.05
e1	0.100	2.54 ± 0.10
S	0.050	1.27 ± 0.50
E	0.290	7.37 ± 0.20
С	0.009	0.25 ± 0.05
eA	0.300	7.62 ± 0.20

RMKD 714 and RMKD 914



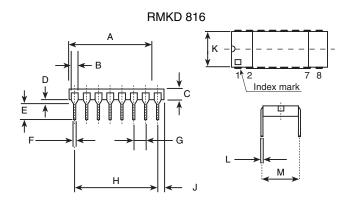
DIMENSION	INCHES	MILLIMETERS
Α	0.700	17.78 ± 0.20
В	0.046	1.19
С	0.086	2.20 ± 0.20
D	0.035	0.89 ± 0.25
E	0.129	3.30
F	0.018	0.46 ± 0.05
G	0.100	2.54 ± 0.10
Н	0.600	15.24 ± 0.10
J	0.050	1.27 ± 0.50
K	0.290	7.37 ± 0.20
L	0.009	0.25 ± 0.05
М	0.300	7.62 ± 0.20

Revision: 12-Apr-18 Document Number: 60049





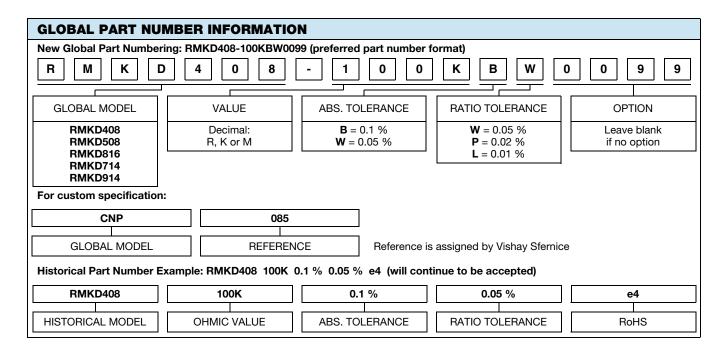
DIMENSIONS



DIMENSION	INCHES	MILLIMETERS
A	0.799	20.30 ± 0.20
В	0.046	1.19
С	0.092	2.35 ± 0.20
D	0.035	0.89 ± 0.25
E	0.129	3.30
F	0.018	0.46 ± 0.05
G	0.100	2.54 ± 0.10
Н	0.700	17.78 ± 0.10
J	0.050	1.27 ± 0.50
К	0.290	7.37 ± 0.20
L	0.009	0.25 ± 0.05
М	0.300	7.62 ± 0.20

MECHANICAL SPECIFICATIONS		
Resistive material	Nichrome	
Passivation	Mineral passivation Si3N4	
Terminals	Gold	

Option: tin / silver plating: option 0076



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