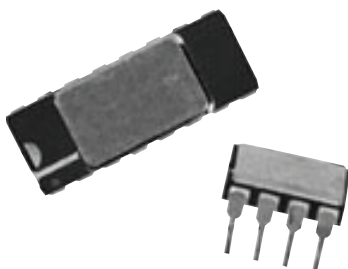


Hermetic, Dual-In-Line Packaged Resistor Networks



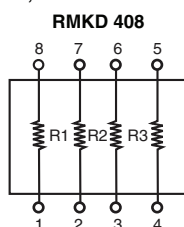
Actual Size

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.

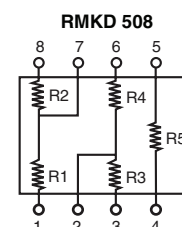
Circuit designers can now incorporate into their circuitry the ultimate in today’s performance characteristics as “standards”, without needing to call out specially engineered designs at premium prices.

SCHEMATIC

Standard Configuration, 8 Leads Hermetic DIL

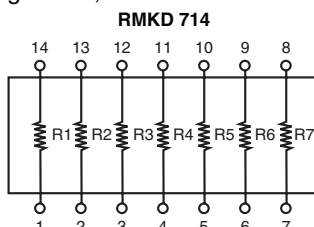


4 Equal and Independent Resistors

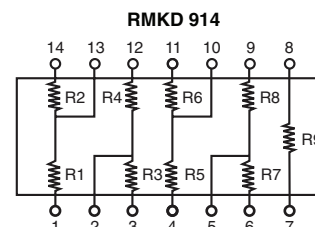


Dual Divider Feedback Network with Equal Value Resistors

Standard Configuration, 14 Leads Hermetic DIL

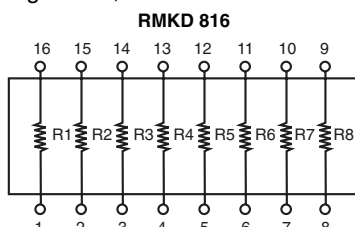


7 Equal and Independent Resistors



Quad Divider Feedback Network with Equal Value Resistors

Standard Configuration, 16 Leads Hermetic DIL



8 Equal and Independent Resistors

FEATURES

- High stability: < 300 ppm maximum, 2000 h at Pn at + 70 °C
- Hermetic cases: dual-in-line



RoHS
COMPLIANT

TYPICAL PERFORMANCE

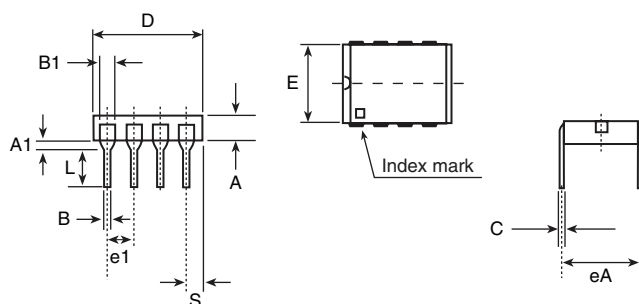
	ABS	TRACKING
TCR	10 ppm/°C	1 ppm/°C
	ABS	RATIO
TOL.	0.05 %	0.02 %



STANDARD ELECTRICAL SPECIFICATIONS					
TEST	SPECIFICATIONS				CONDITIONS
CONFIGURATIONS	RMKD 408, RMKD 508, RMKD 714, RMKD 816, RMKD 914				
Resistance range	500 Ω < R < 200 k Ω				
TCR:	Tracking	± 1 ppm/ $^{\circ}$ C typical/ ± 2 ppm/ $^{\circ}$ C maximum			- 55 $^{\circ}$ C to + 125 $^{\circ}$ C
	Absolute	± 5 ppm/ $^{\circ}$ C typical			0 $^{\circ}$ C to + 70 $^{\circ}$ C
		± 10 ppm/ $^{\circ}$ C maximum			- 55 $^{\circ}$ C to + 125 $^{\circ}$ C
Tolerance:	Absolute	± 0.10 %	± 0.05 %	± 0.05 %	
	Ratio	± 0.05 %	± 0.02 %	± 0.01 %	
Power rating:	Package	125 mW	250 mW	250 mW	250 mW
Stability (ΔR ratio)	< 300 ppm maximum				2000 h at + 70 $^{\circ}$ C at Pn
Working voltage	100 V _{CC} on R				
Operating temperature range	- 55 $^{\circ}$ C to + 125 $^{\circ}$ C				
Storage temperature range	- 55 $^{\circ}$ C to + 155 $^{\circ}$ C				
Noise	- 35 dB typical				MIL-STD-202, Model 308
Thermal EMF	< 0.1 μ V/ $^{\circ}$ C				

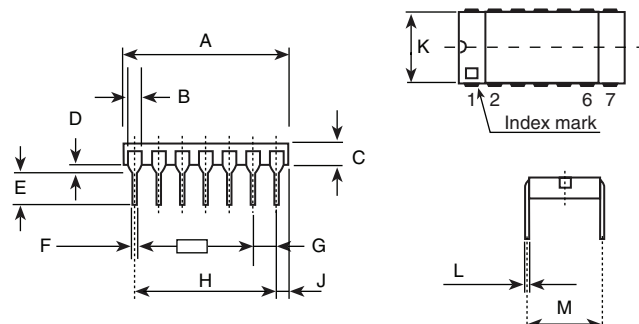
DIMENSIONS

RMKD 408 and RMKD 508



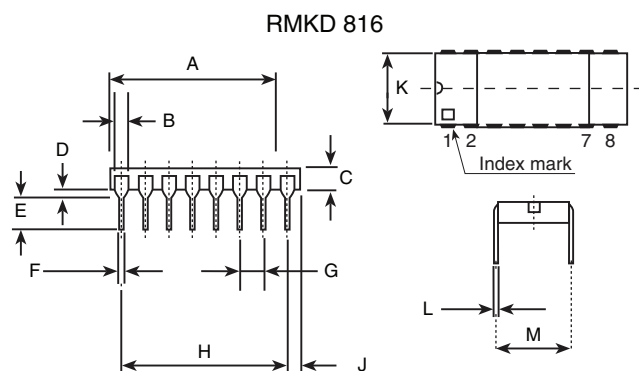
DIMENSION	INCHES	MILLIMETERS
D	0.401	10.20 $\pm$ 0.10
B1	0.046	1.19
A1	0.035	0.89 $\pm$ 0.25
A	0.086	2.20 $\pm$ 0.20
L	0.129 minimum	3.30 minimum
B	0.018	0.46 $\pm$ 0.05
e1	0.100	2.54 $\pm$ 0.10
S	0.050	1.27 $\pm$ 0.50
E	0.290	7.37 $\pm$ 0.20
C	0.009	0.25 $\pm$ 0.05
eA	0.300	7.62 $\pm$ 0.20

RMKD 714 and RMKD 914



DIMENSION	INCHES	MILLIMETERS
A	0.700	17.78 $\pm$ 0.20
B	0.046	1.19
C	0.086	2.20 $\pm$ 0.20
D	0.035	0.89 $\pm$ 0.25
E	0.129	3.30
F	0.018	0.46 $\pm$ 0.05
G	0.100	2.54 $\pm$ 0.10
H	0.600	15.24 $\pm$ 0.10
J	0.050	1.27 $\pm$ 0.50
K	0.290	7.37 $\pm$ 0.20
L	0.009	0.25 $\pm$ 0.05
M	0.300	7.62 $\pm$ 0.20

DIMENSIONS



DIMENSION	INCHES	MILLIMETERS
A	0.799	20.30 ± 0.20
B	0.046	1.19
C	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
H	0.700	17.78 ± 0.10
J	0.050	1.27 ± 0.50
K	0.290	7.37 ± 0.20
L	0.009	0.25 ± 0.05
M	0.300	7.62 ± 0.20

MECHANICAL SPECIFICATIONS

Resistive material	Nichrome
Passivation	Mineral passivation Si ₃ N ₄
Terminals	Gold

GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: RMKD408-100KBW0005 (preferred part number format)

R	M	K	D	4	0	8	-	1	0	0	K	B	W	0	0	0	5
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GLOBAL MODEL	VALUE	ABS. TOLERANCE	RATIO TOLERANCE	OPTION
RMKD408 RMKD508 RMKD816 RMKD714 RMKD914	Decimal: R, K or M	B = 0.1 % W = 0.05 %	W = 0.05 % P = 0.02 % L = 0.01 %	leave blank if no option

For custom specification:

CNP	1186
GLOBAL MODEL	REFERENCE

Historical Part Number Example: RMKD408 100K 0.1 % 0.05 % e4 (will continue to be accepted)

RMKD408	100K	0.1 %	0.05 %	e4
HISTORICAL MODEL	OHMIC VALUE	ABS. TOLERANCE	RATIO TOLERANCE	RoHS



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