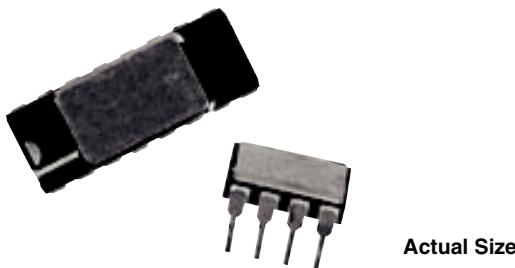


Hermetic, Dual-In-Line Packaged Thin Film Resistor, Through Hole Networks



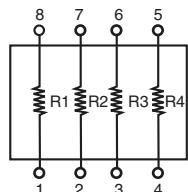
The superstable RMKD nickel-chromium integrated networks are available in a range of standard designs which bring a completely new "state-of-the-art" to precision network performance criteria.

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

RMKD 408



4 Equal and Independent Resistors



RoHS
COMPLIANT
GREEN
(I-2008)

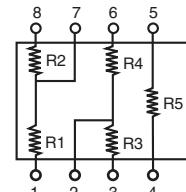
FEATURES

- 500 Ω to 200 k Ω
- High stability: < 300 ppm maximum, 2000 h at P_n 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 %

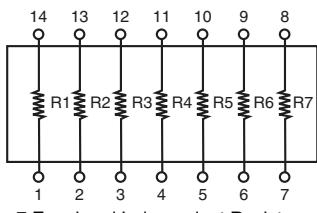
RMKD 508



Dual Divider Feedback Network with Equal Value Resistors

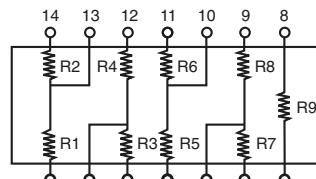
Standard Configuration, 14 Leads Hermetic DIL

RMKD 714



7 Equal and Independent Resistors

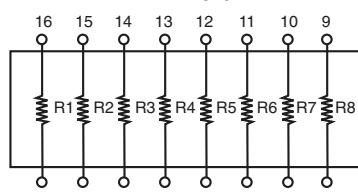
RMKD 914



Quad Divider Feedback Network with Equal Value Resistors

Standard Configuration, 16 Leads Hermetic DIL

RMKD 816



8 Equal and Independent Resistors

Notes

- 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

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	RESISTANCE RANGE Ω	POWER RATING ⁽¹⁾ W	ABSOLUTE TOLERANCE $\pm \%$	RATIO TOLERANCE %	ABSOLUTE TCR ⁽²⁾ $\pm \text{ppm}/^\circ\text{C}$	RATIO TCR ⁽³⁾ $\pm \text{ppm}/^\circ\text{C}$
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

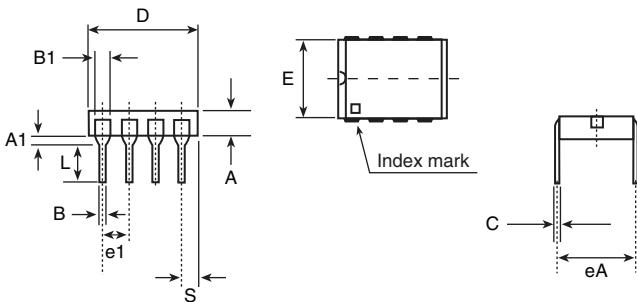
Notes
⁽¹⁾ Per Package at + 70 °C

⁽²⁾ $\pm 5 \text{ ppm}/^\circ\text{C}$ typical at 0 °C to + 70 °C, $\pm 10 \text{ ppm}/^\circ\text{C}$ maximum at - 55 °C to + 155 °C

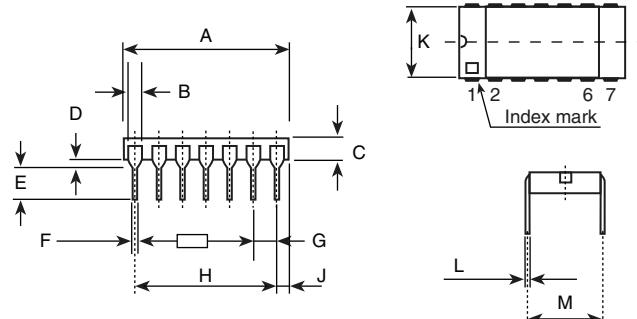
⁽³⁾ At - 55 °C to + 155 °C

PERFORMANCES

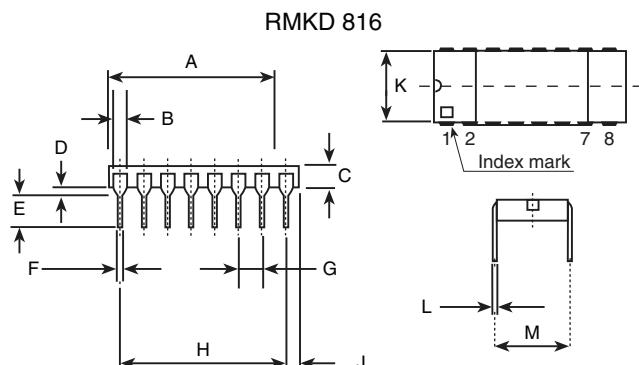
TEST	SPECIFICATIONS	CONDITIONS
CONFIGURATIONS	RMKD 408, RMKD 508, RMKD 714, RMKD 816, RMKD 914	
Stability (ΔR ratio)	< 300 ppm maximum	2000 h at + 70 °C at Pn
Working voltage	100 V _{CC} on R	
Operating temperature range	- 55 °C to + 155 °C	
Storage temperature range	- 55 °C to + 155 °C	
Noise	- 35 dB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

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
A	0.086	2.20 ± 0.20
L	0.129 minimum	3.30 minimum
B	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
C	0.009	0.25 ± 0.05
eA	0.300	7.62 ± 0.20

RMKD 714 and RMKD 914


DIMENSION	INCHES	MILLIMETERS
A	0.700	17.78 ± 0.20
B	0.046	1.19
C	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
H	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
M	0.300	7.62 ± 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 Si3N4
Terminals	Gold

Option: Tin/silver plating: Option 0076

GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: RMKD408-100KBW0099 (preferred part number format)

R	M	K	D	4	0	8	-	1	0	0	K	B	W	0	0	9	9
GLOBAL MODEL				VALUE				ABS. TOLERANCE				RATIO TOLERANCE				OPTION	
RMKD408				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	
RMKD508																	
RMKD816																	
RMKD714																	
RMKD914																	

For custom specification:

CNP	085
GLOBAL MODEL	REFERENCE

Reference is assigned by Vishay Sfernice

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

Disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Vishay makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, Vishay disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

Statements regarding the suitability of products for certain types of applications are based on Vishay's knowledge of typical requirements that are often placed on Vishay products in generic applications. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and/or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. Product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein.

Except as expressly indicated in writing, Vishay products are not designed for use in medical, life-saving, or life-sustaining applications or for any other application in which the failure of the Vishay product could result in personal injury or death. Customers using or selling Vishay products not expressly indicated for use in such applications do so at their own risk. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay. Product names and markings noted herein may be trademarks of their respective owners.

Material Category Policy

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as RoHS-Compliant fulfill the definitions and restrictions defined under Directive 2011/65/EU of The European Parliament and of the Council of June 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (EEE) - recast, unless otherwise specified as non-compliant.

Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as Halogen-Free follow Halogen-Free requirements as per JEDEC JS709A standards. Please note that some Vishay documentation may still make reference to the IEC 61249-2-21 definition. We confirm that all the products identified as being compliant to IEC 61249-2-21 conform to JEDEC JS709A standards.

Данный компонент на территории Российской Федерации**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибуторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ Р В 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru
moschip.ru_4

moschip.ru_6
moschip.ru_9