imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Vishay Dale Thin Film

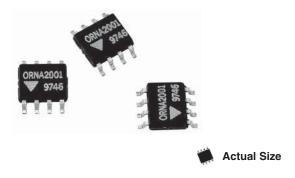


ORN

COMPLIANT HALOGEN

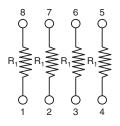
FREE

Molded, 50 mil Pitch, Dual-In-Line Thin Film Resistor, **Surface Mount Network**



ORN series resistor networks feature four isolated resistors with standard 50 mil pitch lead spacing. The networks feature close TCR tracking and tight ratio tolerance and are ideally suited for unity gain operational amplifier circuitry. The standard resistance offering listed are available for immediate delivery.

SCHEMATIC



FEATURES

- 0.068" (1.73 mm) maximum seated height
- · Rugged molded case construction with no internal solder RoHS
- Low temperature coefficient (± 25 ppm/°C)
- JEDEC MS-012 STD variation AA package
- Compliant to RoHS Directive 2002/95/EC
- Halogen-free according to IEC 61249-2-21 definition

Note

Pb containing terminations are not RoHS compliant, exemptions may apply

TYPICAL PERFORMANCE

\bullet	ABSOLUTE	TRACKING	
TCR	25	5	
	ABSOLUTE	RATIO	
TOL.	0.1	0.05	

STANDARD RESISTANCE OFFERING ($R_1 =$)		
49.9 Ω	10 kΩ	
100 Ω	20 kΩ	
500 Ω	50 kΩ	
1 kΩ	100 kΩ	
2 kΩ	200 kΩ	
4.99 kΩ	500 kΩ	
5 kΩ		
Note		

Note

· Consult factory for additional values and schematics

TEST	SPECIFICATIONS	CONDITIONS
Material	Passivated nichrome	-
Pin/Lead Number	8	-
Resistance Range	33 Ω to 500 k Ω per resistor	-
TCR: Absolute	± 25 ppm/°C	- 55 °C to + 125 °C
TCR: Tracking	± 5 ppm/°C	- 55 °C to + 125 °C
Tolerance: Absolute	± 0.05 % to ± 1.0 %	+ 25 °C
Tolerance: Ratio	± 0.01 % to ± 0.5 %	+ 25 °C
Power Rating: Resistor	100 mW	Maximum at + 70 °C
Power Rating: Package	400 mW	Maximum at + 70 °C
Stability: Absolute	$\Delta R \pm 0.05 \%$	2000 h at + 70 °C
Stability: Ratio	∆ <i>R</i> ± 0.015 %	2000 h at + 70 °C
Voltage Coefficient	0.1 ppm/V (typical)	-
Working Voltage	100 V max. not to exceed $\sqrt{P \times R}$	-
Operating Temperature Range	- 55 °C to + 125 °C	-
Storage Temperature Range	- 55 °C to + 150 °C	-
Noise	< - 30 dB	-
Thermal EMF	0.08 µV/°C	-
Shelf Life Stability: Absolute	$\Delta R \pm 0.01$ %	1 year at + 25 °C
Shelf Life Stability: Ratio	$\Delta R \pm 0.002 \%$	1 year at + 25 °C

Revision: 02-Sep-11

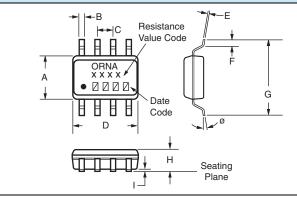
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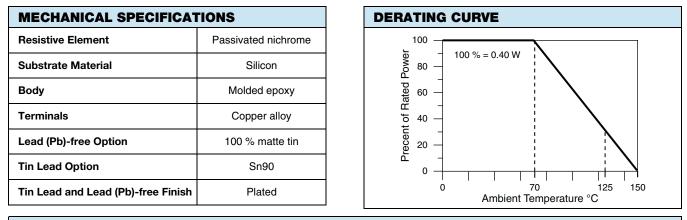




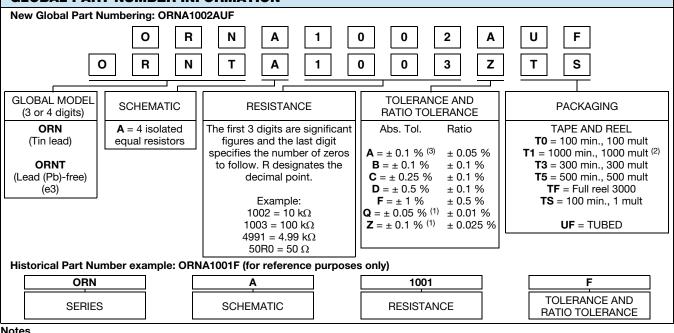
llimeters				
	DIMENSION	INCHES	MILLIMETERS	
	А	0.157	3.99	
	В	0.0165 ± 0.0025	0.4 ± 0.06	
	С	0.050	1.27	
	D	0.195 max.	4.93	
	E	0.008 ± 0.001	0.20 ± 0.03	
	F	0.028 ± 0.001	0.71 ± 0.02	
	G	0.239 ± 0.005	6.07 ± 0.13	
	Н	0.068 max.	1.73	
	I	0.008 ± 0.002	0.22 ± 0.06	
	Ø	2° to 6°	2° to 6°	

Note

· Marking - Vishay symbol, part number from ordering information



GLOBAL PART NUMBER INFORMATION



Notes (1)

Tol. available 1K and up

⁽²⁾ Preferred packaging code

(3) Ratio tolerance available 250 Ω and up

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