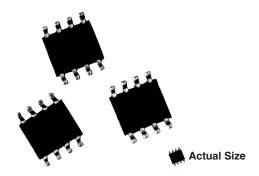
ORN (Divider)

Vishay Thin Film

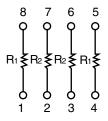


Molded, 50 Mil Pitch, Dual-In-Line Resistor Network



Vishay Thin Film ORN series Dividers provide optimum ratio precision, small size and exceptional stability for most applications. They offer a wide ratio range that is listed in the selection guide and are available for immediate delivery. The tight ratio tolerance offered on the standard ratios will provide exceptional performance throughout life.

SCHEMATIC



FEATURES

- Lead (Pb)-free available
- 0.068" (1.73 mm) maximum seated height
- Rugged molded case construction with no internal solder (JEDEC MS-012 standard)



• Low temperature coefficient (± 25 ppm/°C)



RoHS'

TYPICAL PERFORMANCE

	ABS	TRACKING
TCR	25	5
	ABS	RATIO
TOL	0.1	0.05

STANDARD RESISTANCE OFFERING (R ₁ /R ₂)				
RATIO	R ₁	R ₂		
100:1	100K	1K		
50:1	50K	1K		
25:1	25K	1K		
20:1	20K	1K		
10:1	10K	1K		
5:1	10K	2K		
2:1	10K	5K		

TEST		SPECIFICATIONS	CONDITIONS
MATERIAL		TAMELOX	
TCR:	Tracking	± 5 ppm/°C	- 55 °C to + 125 °C
	Absolute	± 25 ppm/°C	- 55 °C to + 125 °C
Tolerance:	Ratio	± 0.05 %	+ 25 °C
	Absolute	± 0.1 %	+ 25 °C
	Resistor	100 mW	Max. at + 70 °C
Power Rating:	Package	400 mW	Max. at + 70 °C
Stability:	∆R Absolute	500 ppm	2000 hrs at + 70 °C
	∆R Ratio	150 ppm	2000 hrs. at + 70 °C
Voltage Coefficier	nt	< 0.1 ppm/Volt	
Working Voltage		50 Volts (Max.)	
Operating Temperature Range		- 55 °C to + 125 °C	
Storage Temperat	ure Range	- 55 °C to + 150 °C	
Noise		< - 30 dB	
Thermal EMF		0.08 μV/°C	
Shelf Life Stability:	Absolute	100 ppm	1 year at + 25 °C
	Ratio	20 ppm	1 year at + 25 °C

NOTE: Tantalum Nitride film is custom, consult factory

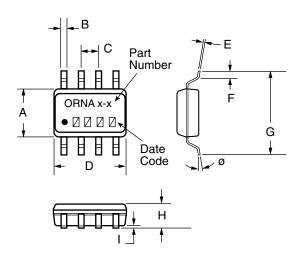
^{*} Pb containing terminations are not RoHS compliant, exemptions may apply



Molded, 50 Mil Pitch, Dual-In-Line Resistor Network

Vishay Thin Film

DIMENSIONS AND IMPRINTING in inches and millimeters



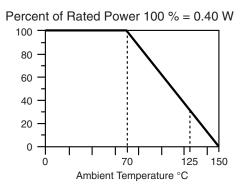
MECHANICAL SPECIFICATIONS				
Resistive Element	TAMELOX			
Body	Molded epoxy			
Package Format	JEDEC MS-012			
Terminals	Copper alloy			
Solderability	Per MIL-PRF-83401			
Marking Resistance to Solvents	Permanency testing per MIL-PRF-83401			
Lead (Pb)-free Option	100 % Matte Tin			
Lead (Pb)-free Finish	Plated			

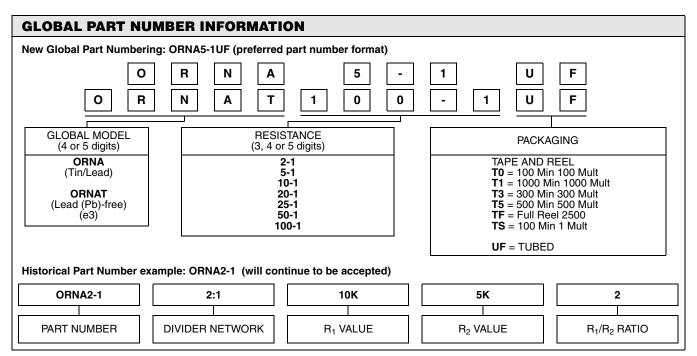
	INCHES	MILLIMETERS
Α	0.157	3.99
В	0.0165 ± 0.005	0.4 ± 0.06
С	0.050	1.27
D	0.195 Max.	4.93
E	0.008 ± 0.001	0.20 ± 0.03
F	0.028 ± 0.001	0.71 ± 0.02
G	0.239 ± 0.005	6.07 ± 0.13
Н	0.068 Max.	1.73
1	0.008 ± 0.002	0.22 ± 0.06
Ø	2° to 6°	

Note

- 1. Leads are within 0.005" (0.13 mm) of true position
- 2. Leads coplanar to \pm 0.004" (\pm 0.50 mm)
- 3. Marking VISHAY Symbol, Part Number from Ordering Information

DERATING CURVE





Legal Disclaimer Notice



Vishay

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