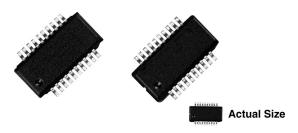


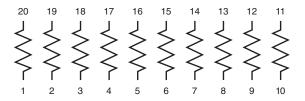


Molded, 25 mil Pitch, Dual-In-Line Resistor, Surface Mount Network



OSOP Series resistor networks feature a space saving 25 mil lead pitch versus the current 50 mil pitch standard. This allows users to reduce board space more than 50 % over current standards. The OSOP Series feature 10 isolated resistors in a 20 lead style available for immediate delivery in the standard values listed.

SCHEMATIC



FEATURES

- 0.068" (1.73 mm) maximum seated height
- Rugged molded case construction with no internal solder



- JEDEC MO-137 variation AD
- Compliant to RoHS directive 2002/95/EC

TYPICAL PERFORMANCE

	ABSOLUTE	TRACKING	
TCR	25	5	
	ABSOLUTE	RATIO	
TOL.	0.1	0.05	

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

Note

· Consult factory for additional values and schematics

STANDARD ELECTRICAL SPECIFICATIONS				
TEST	SPECIFICATIONS	CONDITIONS		
Material	Passivated nichrome	-		
Pin/Lead Number	20	-		
Resistance Range	500 Ω to 100 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	± 0.1 % to 1 %	+ 25 °C		
Tolerance: Ratio	± 0.025 % 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	ΔR ± 0.015 %	2000 h at + 70 °C		
Voltage Coefficient	< 0.1 ppm/V (typical)	-		
Working Voltage	100 V max. not to exceed √P x 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	ΔR ± 0.01 %	1 year at + 25 °C		
Shelf Life Stability: Ratio	$\Delta R \pm 0.002 \%$	1 year at + 25 °C		

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

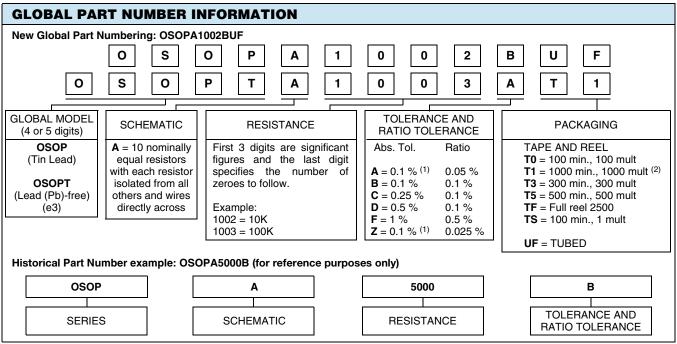
Vishay Thin Film

Molded, 25 mil Pitch, Dual-In-Line Resistor, Surface Mount Network



DIMENSIONS AND IMPRINTING in inches and millimeters				
Logo D Number Number Marking B Date H Code G	DIMENSION	INCHES	MILLIMETERS	
	Α	0.344	8.74	
	В	0.154	3.91	
	С	0.237	6.02	
	D	0.025	0.635	
	E	0.010 ± 0.002	0.25 ± 0.05	
	F	0.062	1.58	
	G	0.068	1.73	
	Н	0.010 ± 0.002	0.25 ± 0.05	
	I	0.025	0.64	
	J	0.057	1.47	

MECHANICAL SPECIFICATIONS		
Resistive Element	Passivated nichrome	
Substrate Material	Silicon	
Body	Molded epoxy	
Terminals	Copper alloy	
Lead (Pb)-free Option	100 % matte tin	
Tin Lead Option	Sn90	
Tin Lead and Lead (Pb)-free Finish	Plated	



Notes

- (1) Tolerance available 1K and up
- (2) Preferred packaging code



Vishay

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Document Number: 91000 Revision: 18-Jul-08

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