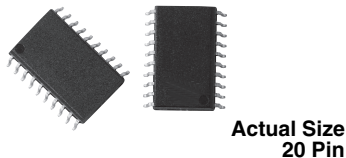
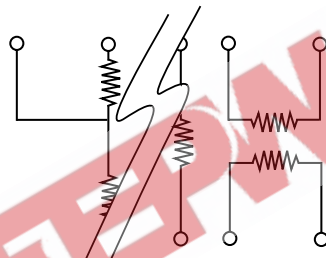


## Molded, 50 Mil Pitch, Dual In-Line Resistor Networks, Wide Body



The WOMC series features a standard 16 and 20 pin wide body (0.30") small outline surface mount style that can accommodate resistor networks to your particular application requirements. The networks can be constructed with Passivated Nichrome, or Tantalum Nitride resistor films to optimize performance.

### SCHEMATIC



Custom schematics available  
Please consult factory

### FEATURES

- Lead (Pb)-free available
- Standard 16 and 20 Pin Counts (0.300" Wide Body) JEDEC MS-013
- Rugged, molded case construction
- High stable thin film element (500 ppm at + 70 °C, 10 000 hours)
- Leads copper alloy, solderable



**RoHS\***  
COMPLIANT

### TYPICAL PERFORMANCE

	ABS	TRACKING
TCR	25	5
	ABS	RATIO
TOL	0.1	0.05

STANDARD ELECTRICAL SPECIFICATIONS			
TEST		SPECIFICATIONS	CONDITIONS
Pin Number		16, 20	
Resistance Range		100 Ω to 500 kΩ total	
TCR:	Tracking	± 5 ppm/°C typical	- 55 °C to + 125 °C
	Absolute	± 50 ppm/°C to 25 ppm/°C	- 55 °C to + 125 °C
Tolerance:	Ratio	± 0.1 % to ± 0.05 %	+ 25 °C
	Absolute	± 1.0 % to ± 0.1 %	+ 25 °C
Power Rating:	Resistor	50 mW per element	Max. at + 70 °C
	Package	500 mW; 1.0 W	Max. at + 70 °C
Stability:	ΔR Absolute	500 ppm	2000 h at + 70 °C
	ΔR Ratio	150 ppm	2000 h at + 70 °C
Voltage Coefficient		0.1 ppm/V	
Working Voltage		50 V	
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	100 ppm	1 year ratio at + 25 °C
	Ratio	< 20 ppm	1 year ratio at + 25 °C

\* Pb containing terminations are not RoHS compliant, exemptions may apply

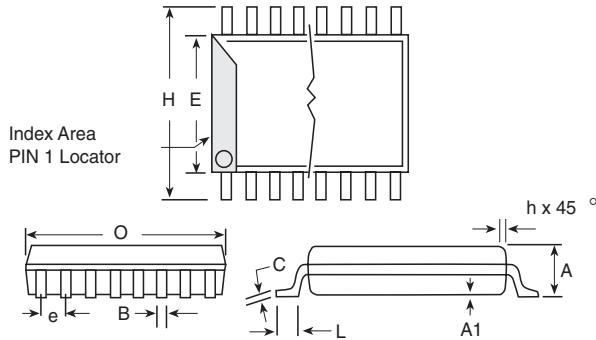
## WOMC

Vishay Thin Film

Molded, 50 Mil Pitch, Dual In-Line Resistor Networks, Wide Body



## DIMENSIONS AND IMPRINTING in inches and millimeters



DIMENSION	16		20	
	INCHES	MM	INCHES	MM
H	0.408	10.36	0.408	10.36
E	0.298	7.57	0.298	7.57
O	0.410	10.41	0.500	12.7
A	0.097	2.46	0.097	2.46
e	0.050	1.27	0.050	1.27
B	0.016	0.406	0.016	0.406
C	0.009	0.228	0.009	0.228
L	0.026	0.66	0.026	0.66
A <sub>1</sub>	0.007	0.177	0.007	0.177
h	0.015	0.381	0.015	0.381

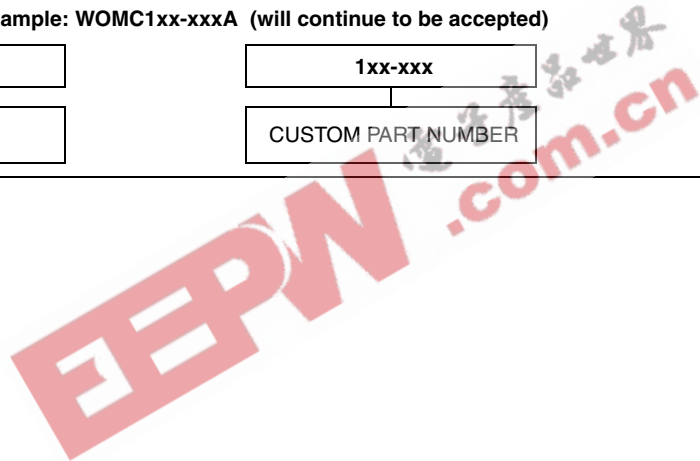
MECHANICAL SPECIFICATIONS	
Resistive Material	Passivated Nichrome or Tantalum Nitride
Body	Molded Epoxy
Plating	Solder
Marking Resistance to Solvents	Per MIL-PRF-83401
Substrate Material	Silicon
Terminals	Copper
Lead Coplanarity	± 0.004
Lead (Pb)-free Option	100 % Sn Matte
Lead (Pb)-free Finish	Plated

ORDERING INFORMATION CHECK LIST (CUSTOMS)	
Special requirements should be identified in advance, but as a minimum, you should have the following information ready.	
ELECTRICAL	MECHANICAL
<ol style="list-style-type: none"> <li>Resistors, by value and tolerance</li> <li>Reference resistor(s) and matching of which resistors to which reference resistors</li> <li>Reference by ratio</li> <li>Absolute temperature coefficient of resistivity</li> <li>Temperature tracking of subordinate resistors to reference resistor(s)</li> <li>Maximum operating voltage</li> <li>Resistor power ratings</li> <li>Operating temperature range</li> </ol>	<ol style="list-style-type: none"> <li>Maximum allowable seated height (from PC board to top of network)</li> <li>Special marking concerns</li> <li>Schematic pin out of package</li> <li>Specify if lead (Pb)-free</li> </ol>

Lead (Pb)-free example: WOMCTXXXXA



<b>GLOBAL PART NUMBER INFORMATION</b>																		
<b>New Global Part Numbering: WOMC1xx-xxxT1 (preferred part number format)</b>																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">W</td> <td style="text-align: center;">O</td> <td style="text-align: center;">M</td> <td style="text-align: center;">C</td> </tr> </table>	W	O	M	C	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">x</td> <td style="text-align: center;">x</td> <td style="text-align: center;">-</td> <td style="text-align: center;">x</td> <td style="text-align: center;">x</td> <td style="text-align: center;">x</td> <td style="text-align: center;">T</td> <td style="text-align: center;">1</td> </tr> </table>	1	x	x	-	x	x	x	T	1				
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