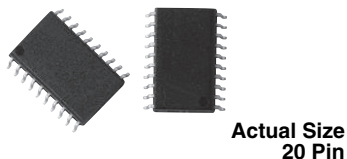


Molded, 50 mil Pitch, Dual In-Line Thin Film Resistor, Wide Body, Surface Mount Network



The WOMC series features a standard 16 pins and 20 pins 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.

FEATURES

- Standard 16 pins and 20 pins counts (0.300" wide body) JEDEC MS-013 variation AA and AC
- Rugged, molded case construction
- High stable in element ratio stability ($\Delta R \pm 0.015\%$ at 70 °C for 2000 h)
- Leads copper alloy, solderable
- Compliant to RoHS Directive 2002/95/EC
- Halogen-free according to IEC 61249-2-21 definition



RoHS*
COMPLIANT
HALOGEN
FREE

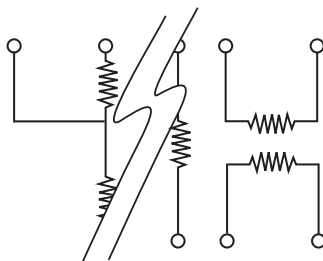
Note

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

TYPICAL PERFORMANCE

	ABSOLUTE	TRACKING
TCR	25	5
	ABSOLUTE	RATIO
TOL.	0.1	0.05

SCHEMATIC

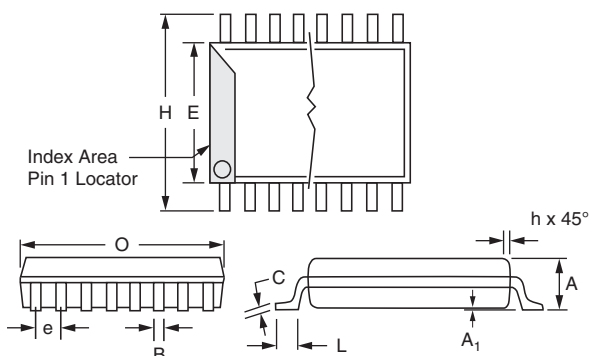


Custom schematics available
Please contact factory

STANDARD ELECTRICAL SPECIFICATIONS		
TEST	SPECIFICATIONS	CONDITIONS
Material	Passivated nichrome or tantalum nitride	-
Pin/Lead Number	16, 20	-
Resistance Range	100 Ω to 500 k Ω total resistance	-
TCR: Absolute	± 25 ppm/ $^{\circ}$ C to ± 50 ppm/ $^{\circ}$ C	- 55 $^{\circ}$ C to + 125 $^{\circ}$ C
TCR: Tracking	± 5 ppm/ $^{\circ}$ C (typical)	- 55 $^{\circ}$ C to + 125 $^{\circ}$ C
Tolerance: Absolute	$\pm 0.1\%$ to $\pm 1.0\%$	+ 25 $^{\circ}$ C
Tolerance: Ratio	$\pm 0.05\%$ to $\pm 0.1\%$	+ 25 $^{\circ}$ C
Power Rating: Resistor	100 mW (per element)	Maximum at + 70 $^{\circ}$ C
Power Rating: Package	500 mW	Maximum at + 70 $^{\circ}$ C
Stability: Absolute	$\Delta R \pm 0.05\%$	2000 h at + 70 $^{\circ}$ C
Stability: Ratio	$\Delta R \pm 0.015\%$	2000 h at + 70 $^{\circ}$ C
Voltage Coefficient	0.1 ppm/V	-
Working Voltage	100 V max. not to exceed $\sqrt{P \times R}$	-
Operating Temperature Range	- 55 $^{\circ}$ C to + 125 $^{\circ}$ C	-
Storage Temperature Range	- 55 $^{\circ}$ C to + 150 $^{\circ}$ C	-
Noise	< - 30 dB	-
Thermal EMF	0.08 μ V/ $^{\circ}$ C	-
Shelf Life Stability: Absolute	$\Delta R \pm 0.01\%$	1 year at + 25 $^{\circ}$ C
Shelf Life Stability: Ratio	$\Delta R \pm 0.002\%$	1 year at + 25 $^{\circ}$ C

DIMENSIONS AND IMPRINTING in inches and millimeters

DIMENSION	16		20	
	INCHES	MILLIMETERS	INCHES	MILLIMETERS
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 ₁	0.007	0.177	0.007	0.177
h	0.015	0.381	0.015	0.381


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

ORDERING INFORMATION CHECK LIST (Customs)

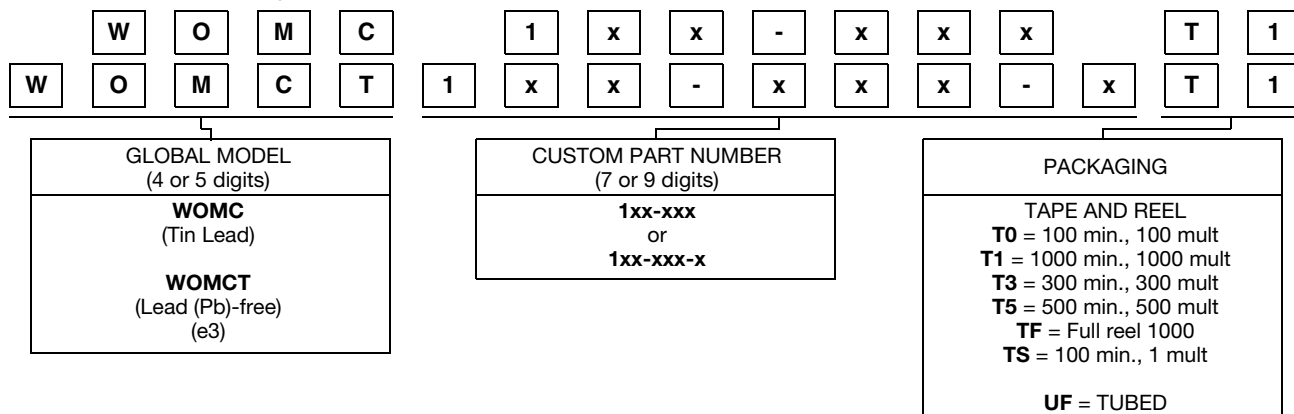
Special requirements should be identified in advance, but as a minimum, you should have the following information ready.

ELECTRICAL	MECHANICAL
<ol style="list-style-type: none"> Resistors, by value and tolerance Reference resistor(s) and matching of which resistors to which reference resistors Reference by ratio Absolute temperature coefficient of resistivity Temperature tracking of subordinate resistors to reference resistor(s) Maximum operating voltage Resistor power ratings Operating temperature range 	<ol style="list-style-type: none"> Maximum allowable seated height (from PC board to top of network) Special marking concerns Schematic pin out of package Specify if lead (Pb)-free

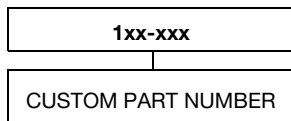


GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: WOMC1xx-xxxT1



Historical Part Number example: 1xx-xxx (for reference purposes only)





Disclaimer

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