HALOGEN

FREE



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



LINKS TO ADDITIONAL RESOURCES









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 (ΔR ± 0.015 % at 70 °C for 2000 h)
- · Leads copper alloy, solderable
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

Note

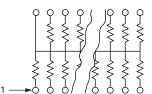
This datasheet provides information about parts that are RoHS-compliant and / or parts that are non RoHS-compliant. For example, parts with lead (Pb) terminations are not RoHS-compliant. Please see the information / tables in this datasheet for details

TYPICAL PERFORMANCE

	ABSOLUTE	TRACKING
TCR	25	5
	ABSOLUTE	RATIO
TOL.	0.1	0.05

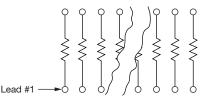
SCHEMATICS

01 Schematic

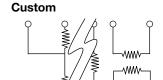


The 01 circuit provides a choice of 15 or 19 equal value resistors (16 or 20 pins).

03 Schematic



The 03 circuit provides a choice of 8 or 10 equal value resistors (16 or 20).



Custom schematics available. Please contact factory.

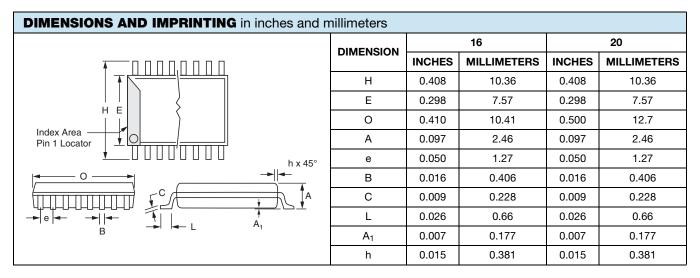
TEST	SPECIFICATIONS	CONDITIONS
Material	Passivated nichrome standard Passivated nichrome or tantalum nitride available for custom versions	-
Pin/Lead Number	16, 20	-
Resistance Range	100 Ω to 250 k Ω for isolated schematic (03) 100 Ω to 100 k Ω for bussed schematic (01) Consult product marketing for custom schematic options	-
Resistance for Jumper	≤ 50 mΩ	-
TCR: Absolute	± 25 ppm/°C to ± 50 ppm/°C	-55 °C to +125 °C
TCR: Tracking	± 5 ppm/°C (typical)	-55 °C to +125 °C
Tolerance: Absolute	± 0.1 % to ± 1.0 %	+25 °C
Tolerance: Ratio	± 0.05 % to ± 0.1 %	+25 °C
Power Rating: Resistor	100 mW (per element)	Maximum at +70 °C
Power Rating: Package	500 mW	Maximum at +70 °C
Stability: Absolute	ΔR ± 0.05 %	2000 h at +70 °C
Stability: Ratio	ΔR ± 0.015 %	2000 h at +70 °C
Voltage Coefficient	0.1 ppm/V	-
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	ΔR ± 0.002 %	1 year at +25 °C

Note

TCR and TCR tracking are not available for parts with zero ohm jumpers



Vishay Dale Thin Film



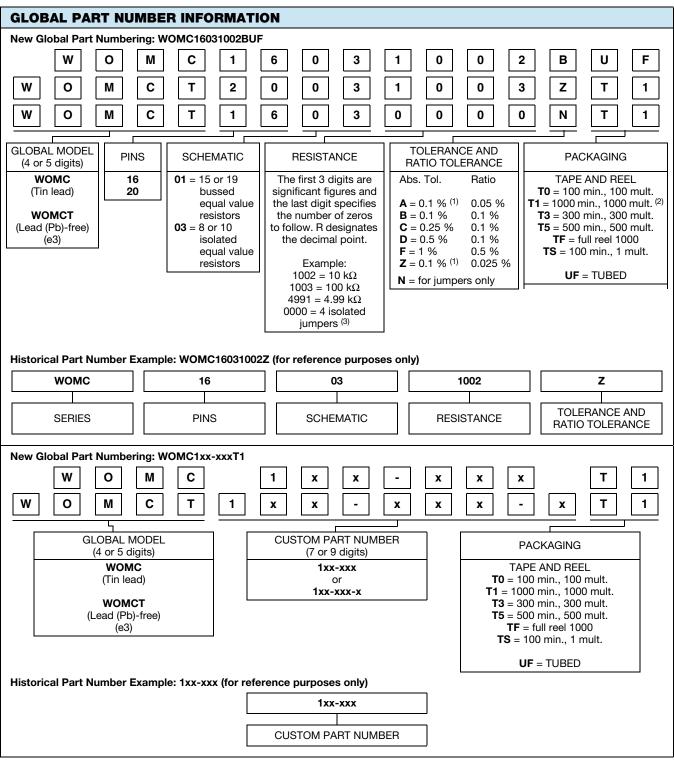
MECHANICAL SPECIFICATIONS		
Resistive Element	Passivated nichrome standard Passivated nichrome or tantalum nitride available for custom versions	
Substrate Material	Silicon standard Silicon or alumina available for custom versions	
Body	Molded epoxy	
Terminals	Copper alloy	
Lead (Pb)-free Option	100 % 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			
 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 	1. Resistor film 2. Special marking concerns 3. Schematic pin out of package 4. Specify if lead (Pb)-free			



www.vishay.com

Vishay Dale Thin Film



Notes

- (1) Tolerance available 1K and up
- (2) Preferred packaging code
- (3) Jumpers only available in 03 schematic



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