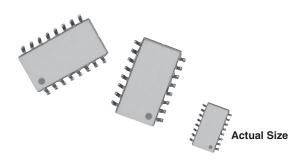
COMPLIANT HALOGEN

FREE

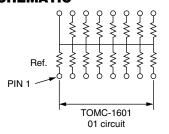


Molded, 50 mil Pitch, Dual-In-Line Thin Film Resistor, Surface Mount Network



Vishay Dale Thin Film offers standard circuits in 16 pins in a medium body molded surface mount package. The networks are available over a resistance range of 100 Ω to 100 $k\Omega.$ The network features tight ratio tolerances and close TCR tracking. In addition to the standards shown, custom circuits are available upon request.

SCHEMATIC



The 01 circuit provides 15 nominally equal resistors, each connected between a common lead (16) and a discrete PC board pin.

FEATURES

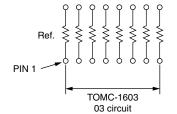
- 0.090" (2.29 mm) maximum seated height
- Rugged, molded case construction (0.22" wide)
- Highly stable thin film ratio stability ($\Delta R \pm 0.015$ % at 70 °C for 2000 h)
- Low temperature coefficient, ± 25 ppm/°C (- 55 °C to + 125 °C)
- Wide resistance range 100 Ω to 100 k Ω
- Isolated/bussed circuits
- Material categorization: For definitions of compliance please see <u>www.vishav.com/doc?99912</u>

Note

Lead (Pb)-containing terminations are not RoHS-compliant. Exemptions may apply.

TYPICAL PERFORMANCE

	ABSOLUTE	TRACKING	
TCR	25	5	
	ABSOLUTE	RATIO	
TOL.	0.1	0.025	



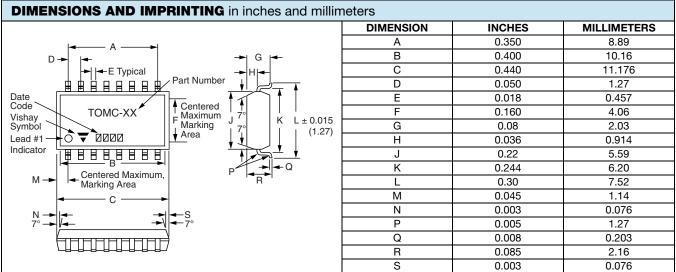
The 03 circuit provides a choice of 8 nominally equal resistors with each resistor isolated from all others and wired directly across.

STANDARD ELECTRICAL SPECIFICATIONS					
TEST	SPECIFICATIONS	CONDITIONS			
Material	Passivated nichrome	-			
Pin/Lead Number	16	-			
Resistance Range	100 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 Pating: Posistor	50 mW = PIN 16 common	Maximum at + 70 °C			
Power Rating: Resistor	100 mW = isolated	Maximum at + 70°C			
Power Rating: Package	750 mW	Maximum at + 70 °C			
Stability: Absolute	ΔR ± 0.05 %	2000 h at + 70 °C			
Stability: Ratio	$\Delta R \pm 0.015 \%$	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	$\Delta R \pm 0.002 \%$	1 year at + 25 °C			

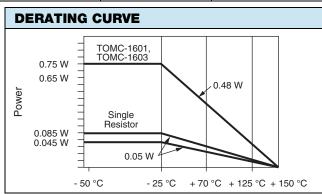
Revision: 08-Jan-13 Document Number: 60008

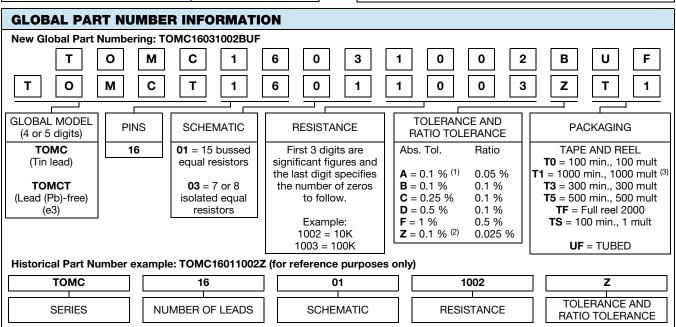


Vishay Dale Thin Film



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	Sn85			
Tin Lead and Lead (Pb)-free Finish	Plated			





Notes

- (1) Tolerance available 250 and up
- (2) Tolerance available 1K and up
- (3) Preferred packaging code



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TOMC16034422AUF	TOMC16034992DT5	TOMC16035002BTS	TOMC16032002FT5	TOMC16032212BT1
TOMC16032001ZT5	TOMC16031003BT5	TOMC16011002FUF	TOMC16037501BT5	FOMC16031003AU
TOMC16031002DT5	TOMC16032000FUF	TOMC16032212AUF	TOMC16031002AT5	TOMC16032002AUF
TOMC16031002BT5	TOMC16035001FUF	TOMC16031001FUF	TOMCT16031003BTF	TOMCT16031002DTS