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Vishay Dale Thin Film

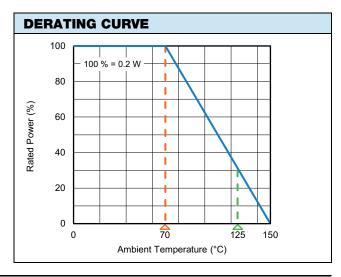
STANDARD ELECTRICAL SPECIFICATIONS				
TEST	SPECIFICATIONS	CONDITIONS		
Material	Passivated nichrome	-		
Pin/Lead Number	3	-		
Resistance Range	250 Ω to 100 kΩ per resistor	-		
Resistance for Jumper	≤ 50 mΩ	-		
TCR: Absolute	± 25 ppm/°C	-55 °C to +125 °C		
TCR: Tracking	± 2 ppm/°C (typical)	-55 °C to +125 °C		
Tolerance: Absolute	± 0.05 % to ± 1.0 %	+25 °C		
Tolerance: Ratio	± 0.01 % to 0.5 %	+25 °C		
Power Rating: Resistor	100 mW	Maximum at +70 °C		
Power Rating: Package	200 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	0.2 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

			DIMENSION	INCHES		MILLIMETERS	
				MIN.	MAX.	MIN.	MAX.
	3		А	0.031	0.040	0.79	1.02
B W H L H L		A1	0.001	0.004	0.02	0.10	
	, ↓ , [В	0.105	0.120	2.67	3.05	
	_	S	0.071	0.079	1.80	2.00	
		W	0.015	0.021	0.38	0.54	
		L	0.083	0.098	2.10	2.50	
← ↑	$H H^-\downarrow$. 1	Н	0.047	0.055	1.20	1.40
' S ' A1	→ T ← K ②	J -> 4-7	Т	0.005	0.010	0.13	0.25
	→	Ø	J	0.0035	0.0059	0.089	0.15
	_		K	0.017	0.022	0.44	0.55
			Ø	0	8°	0	8°

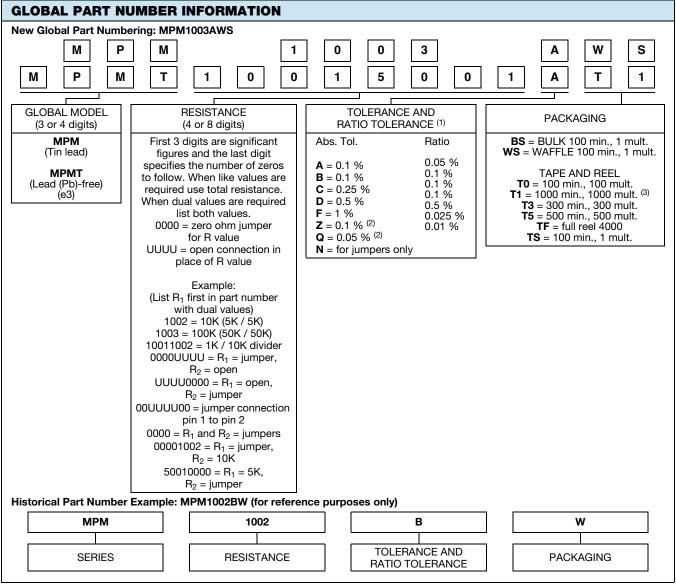
MECHANICAL SPECIFICATIONS				
Resistive Element	Passivated nichrome			
Substrate Material	Silicon			
Body	Molded epoxy			
Terminals	Copper alloy			
Lead (Pb)-free Option	100 % matte tin			
Tin Lead Option	Sn85			
Tin Lead and Lead (Pb)-free Finish	Plated			





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Notes

- (1) For combinations of a resistor and a zero ohm jumper only the absolute tolerance applies to the resistor value
- (2) Tolerance available 1K and up equal values only
- (3) Preferred packaging code



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