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Vishay Dale Thin Film

High Precision Thin Film Network, Surface Mount Leadless Resistor Arrays

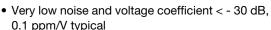


Product may not be to scale

PR arrays can be used in most applications requiring a matched pair (or set) of resistor elements. The networks provide 2 ppm/°C TCR tracking, a ratio tolerance as tight as 0.02 % and outstanding stability. They are available in 1 mm, 1.35 mm and 1.82 mm pitch.

FEATURES

- · Gold terminations over nickel barrier
- · High stability passivated nichrome resistive layer
- Tight TCR (10 ppm/°C) and TCR tracking (to 2 ppm/°C)





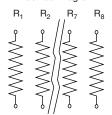
• Ratio tolerance to 0.02 %

 Material categorization: For definitions of compliance please see www.vishay.com/doc?99912

SCHEMATIC

Schematic A: Independent Resistors

Electrical Diagram



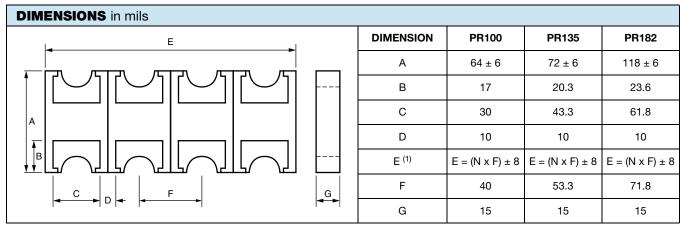
Number of Resistors: 2 to 8 $R_1 = R_2 = \dots R_8$

TEST	SPECIFICATIONS	CONDITIONS	
Material	Passivated nichrome		
Pin/Lead Number	-	-	
Resistance Range	100 Ω to 200 kΩ (PR100)		
	100 Ω to 300 kΩ (PR135)	-	
	100 Ω to 1 MΩ (PR182)		
CR: Absolute	± 10 ppm/°C	- 55 °C to + 125 °C	
TCR: Tracking	± 2 ppm/°C - 55 °C to + 125 °C		
Folerance: Absolute	± 0.1 % to ± 10 %	-	
Гolerance: Ratio	± 0.02 % to ± 0.1 %	=	
Power Rating: Resistor	100 mW (PR100)		
	125 mW (PR135)	At + 70 °C	
	200 mW (PR182)		
Power Rating: Package	-		
Stability: Absolute	-	-	
Stability: Ratio	-	-	
/oltage Coefficient	≤ 0.1 ppm/V	-	
Working Voltage	35 V (PR100)		
	75 V (PR135)	-	
	100 V (PR182)		
Operating Temperature Range	- 55 °C to + 125 °C		
Storage Temperature Range	- 55 °C to + 150 °C	-	
loise	≤ - 30 dB -		
Thermal EMF	-	-	
Shelf Life Stability: Absolute	-	-	
Shelf Life Stability: Ratio	-	-	

Revision: 29-Aug-13 Document Number: 53039



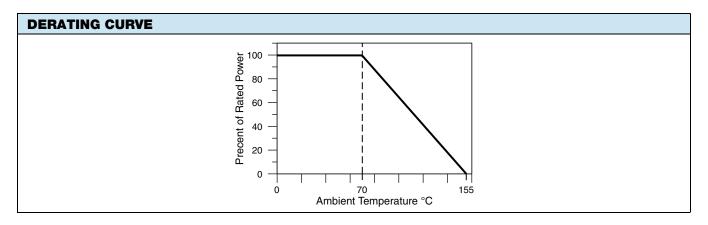
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Notes

- ± 2 mils unless specified
- (1) Where "N" = Number of resistors

MECHANICAL SPECIFICATIONS		
Substrate	Alumina 99.6 %	
Technology	Thin Film	
Film	Passivated nichrome	
Terminations	Solderable gold (Au) over nickel	



PACKAGING

Waffle-pack or tape and reel

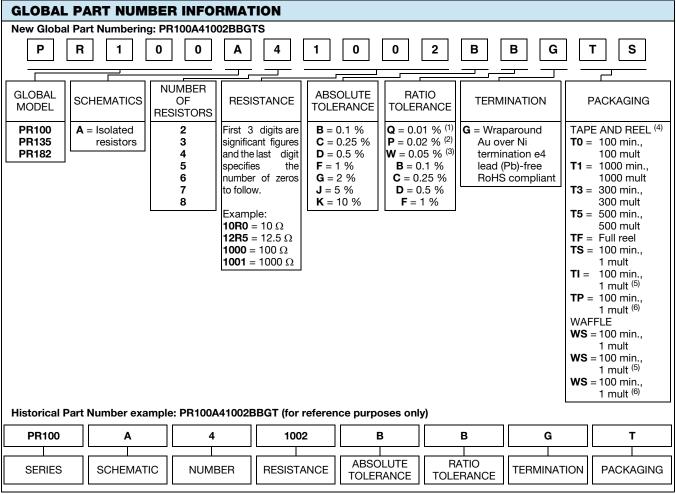
MARKING

On the primary package, printed information includes Vishay trademark series and model, schematic number of resistors, ohmic value, absolute tolerance, ratio tolerance, type of termination



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Notes

- $^{(1)}$ 10 k Ω , up to 4 resistors
- $^{(2)}$ > 1 k Ω , max. 4 resistors
- $^{(3)}~>$ 100 $\Omega,$ up to 8 resistors
- (4) Please refer to below table for tape and reel availability
- (5) Item single lot date code
- (6) Package unit single lot date code

TAPE AND REEL AVAILABILITY				
NUMBER OF RESISTORS	PR100	PR135	PR182	
2	Available	Available	Available	
3	••	Available	••	
4	Available	Available	Available	
5	••	Available	Available	
6	Available	Available	••	
7	••	Available	••	
8	Available	••	••	

Note

• Not available, consult factory



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Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов:
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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