

Molded, 50 mil Pitch, Dual-In-Line Thin Film Resistor, Precision Automotive, AEC-Q200 Qualified



KEY BENEFITS

- AEC-Q200 qualified
- Self passivating tantalum nitride resistor film
- Resistance range 1 kΩ to 50 kΩ
- Excellent long term ratio stability: 0.05 % ratio after 1000 h at 125 °C
- Ratio tolerances to ± 0.05 %
- Low TCR tracking ± 5 ppm
- Very low noise and voltage coefficient: < - 30 dB, < 0.1 ppm/V

APPLICATIONS

- Automotive
- Telecommunications
- Industrial
- Process control
- Medical instrumentation

RESOURCES

- Datasheet: NOMCA - <http://www.vishay.com/doc?60117>
- For technical questions contact thinfilm@vishay.com
- Material categorization: For definitions of compliance please see <http://www.vishay.com/doc?99912>



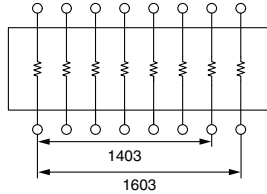
RoHS
COMPLIANT

HALOGEN
FREE

One of the World's Largest Manufacturers of
Discrete Semiconductors and Passive Components



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SCHEMATICS


The 03 circuit provides a choice of 7 or 8 equal value resistors each connected between a common lead (14 or 16). Custom schematics available.

TYPICAL PERFORMANCE

	ABSOLUTE	TRACKING
TCR	25	5
	ABSOLUTE	RATIO
TOL.	0.10	0.05

STANDARD RESISTANCE OFFERING (Equal Value Resistors)	
ISOLATED (03) SCHEMATIC	
	1 k Ω
	2 k Ω
	5 k Ω
	10 k Ω
	20 k Ω
	50 k Ω

Note

- Consult factory for additional values

DIMENSIONS AND IMPRINTING in inches and millimeters				
DIMENSION	14		16	
	INCHES	MILLIMETERS	INCHES	MILLIMETERS
H	0.235	5.969	0.235	5.969
E	0.154	3.911	0.154	3.910
O	0.340	8.363	0.390	9.906
A	0.063	1.600	0.063	1.600
e	0.050	1.270	0.050	1.270
B	0.015	0.381	0.015	0.381
C	0.008	0.203	0.008	0.203
L	0.025	0.635	0.025	0.635
A ¹	0.006	0.152	0.006	0.152
h	0.015	0.381	0.015	0.381