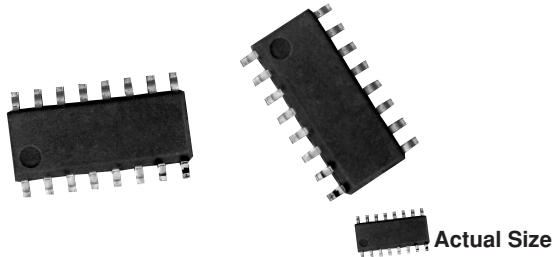


Molded, 50 Mil Pitch, Dual-In-Line Resistor Networks Narrow Body



FEATURES

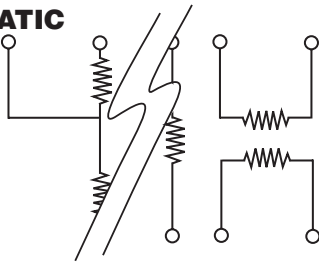
- Standard 8, 14 & 16 pin counts (0.150" Narrow Body) JEDEC MS-012
- Rugged molded case construction
- Stable thin film element
- Low temperature coefficient

The NOMC series features a standard 8, 14, and 16 pin narrow body (0.150") small outline surface mount style. It can accommodate resistor networks to your particular application requirements. The networks can be constructed with Tanelox[®] or Tantalum Nitride resistor films to optimize performance.

TYPICAL PERFORMANCE

	ABS	TRACKING
TCR	25	5
	ABS	RATIO
TOL	0.10	0.05

SCHEMATIC



Custom schematics available
Please consult factory

STANDARD RESISTANCE OFFERING

ISOLATED SCHEMATIC ONLY	
1K ohms	10K ohms
2K ohms	20K ohms (16 pin only)
5K ohms	100K ohms

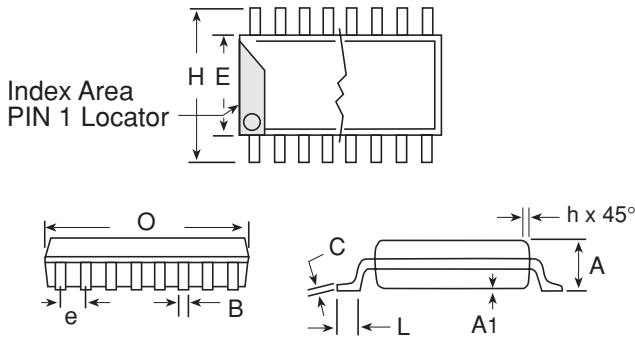
Consult factory for additional values

STANDARD ELECTRICAL SPECIFICATIONS

TEST	SPECIFICATIONS	CONDITIONS
PIN NUMBER	14, 16	
Resistance Range	100 ohms to 500K ohms total	
TCR:		
Tracking	± 5ppm/°C typical	- 55°C to + 125°C
Absolute	± 25ppm/°C Std to ± 10ppm/°C custom	- 55°C to + 125°C
Tolerance:		
Ratio	± 0.1% to ± 0.025%	+ 25°C
Absolute	± 1.0% to ± 0.10%	+ 25°C
Power Rating:		
Resistor	50mW per element typical	Max. at + 70°C
Package	400mW 500mW	Max. at + 70°C
Stability:		
ΔR Absolute	500ppm	2000 hours @ + 70°C
ΔR Ratio	150ppm	2000 hours @ + 70°C
Voltage Coefficient	< 0.1 ppm/Volt	
Working Voltage	50 Volts	
Operating Temperature Range	- 55°C to + 125°C	
Storage Temperature Range	- 55°C to + 150°C	
Noise	< - 30dB	
Thermal EMF	0.08μV/°C	
Shelf Life Stability:		
Absolute	100ppm	1 year @ + 25°C
Ratio	20ppm	1 year @ + 25°C

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DIMENSIONS AND IMPRINTING in inches and millimeters



DIMENSION	14		16	
	INCHES	MM	INCHES	MM
H	0.235	5.969	0.235	5.969
E	0.154	3.911	0.154	3.91
O	0.340	8.636	0.390	9.906
A	0.063	1.6	0.063	1.60
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

MECHANICAL SPECIFICATIONS

Resistive Element	Tamelox [®] or Tantalum Nitride
Substrate Material	Silicon
Terminals	Copper
Lead Coplanarity	± 0.004
Body	Molded Epoxy
Plating	Solder
Marking Resistance to Solvents	per MIL-PRF-83401

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
<ol style="list-style-type: none"> Resistors, by value and tolerance. Reference resistor(s) and matching of which resistors to which reference resistors. Resistance 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. 	<ol style="list-style-type: none"> Maximum allowable seated height (from PC board to top of network). Special marking concerns. Schematic pin out of package.

How to Order (Standards)

Series	Pins	Schematic	Resistance Value	Tolerance and Ratio Tolerance														
NOMC	14	03 = Isolated Equal Value Resistors	The first 3 digits are significant figures and the last digit specifies the number of zeros to follow. Eg: 1002 = 10K 1003 = 100K	<table> <tr> <th>Abs. Tolerance</th> <th>Ratio</th> </tr> <tr> <td>Z = ±0.1%</td> <td>±0.025</td> </tr> <tr> <td>A = ±0.1%</td> <td>±0.05%</td> </tr> <tr> <td>B = ±0.1%</td> <td>±0.1%</td> </tr> <tr> <td>C = ±0.25%</td> <td>±0.1%</td> </tr> <tr> <td>D = ±0.5%</td> <td>±0.1%</td> </tr> <tr> <td>F = ±1.0%</td> <td>±0.5%</td> </tr> </table>	Abs. Tolerance	Ratio	Z = ±0.1%	±0.025	A = ±0.1%	±0.05%	B = ±0.1%	±0.1%	C = ±0.25%	±0.1%	D = ±0.5%	±0.1%	F = ±1.0%	±0.5%
	Abs. Tolerance				Ratio													
Z = ±0.1%	±0.025																	
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B = ±0.1%	±0.1%																	
C = ±0.25%	±0.1%																	
D = ±0.5%	±0.1%																	
F = ±1.0%	±0.5%																	
16																		

Example: NOMC16031002Z A 16 PIN Surface Mount Resistor Network with 8 - 10K ohm resistors, 25ppm/°C TCR, ± 5ppm Tracking, 0.1% Absolute, 0.025 Ratio Tolerance.