

SPECIFICATIONS

Resistance Range: 50 ohms to 2M ohms/Package

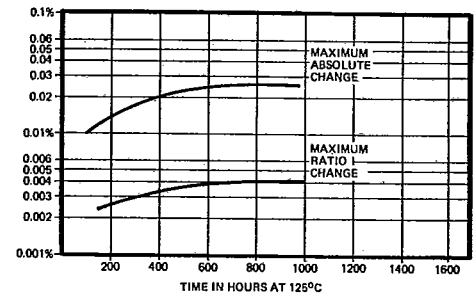
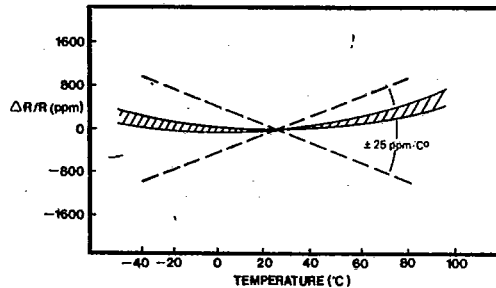
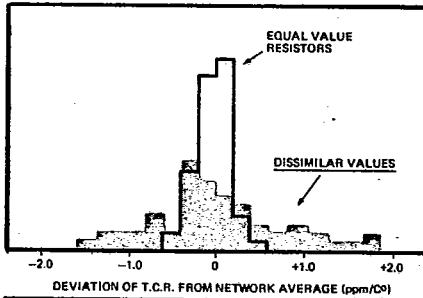
Tolerance: to .05% absolute; .01% Ratio (voltage or resistance)

TCR: 0 ± 25 ppm/ $^{\circ}$ C over full military temperature range.

Temperature Tracking: better than 2 ppm/ $^{\circ}$ C.

Power Rating: Max. 100 mw/resistor;

Max. 1W/DIP Package; 0.5 W/Flat pack



ENVIRONMENTAL CHARACTERISTICS

| TEST |
|---------------------------|
| THERMAL SHOCK |
| POWER CONDITIONING |
| SHORT TERM OVERLOAD |
| LOW TEMPERATURE OPERATION |
| RESISTANCE TO SOLDER HEAT |
| MOISTURE RESISTANCE |
| HIGH TEMPERATURE EXPOSURE |
| LOW TEMPERATURE STORAGE |
| LOAD LIFE - 1000 hours |
| TCR - ppm/ $^{\circ}$ C |

LIMITS MIL-R-83401 CHARACTERISTICS V

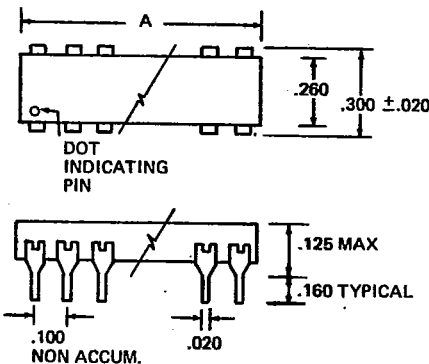
| | ΔR% | ΔRATIO% |
|---------------------------|-----|---------|
| THERMAL SHOCK | .25 | .03 |
| POWER CONDITIONING | .10 | .03 |
| SHORT TERM OVERLOAD | .10 | .02 |
| LOW TEMPERATURE OPERATION | .10 | .02 |
| RESISTANCE TO SOLDER HEAT | .10 | .02 |
| MOISTURE RESISTANCE | .20 | .02 |
| HIGH TEMPERATURE EXPOSURE | .10 | .03 |
| LOW TEMPERATURE STORAGE | .10 | .02 |
| LOAD LIFE - 1000 hours | .10 | .03 |
| TCR - ppm/ $^{\circ}$ C | 50 | 5 |

TYPICAL OHMTEK PERFORMANCE

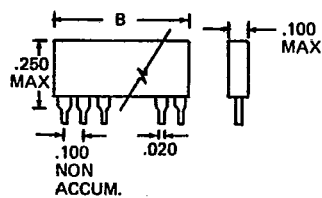
| | ΔR% | ΔRATIO% |
|---------------------------|-----|---------|
| THERMAL SHOCK | .05 | .010 |
| POWER CONDITIONING | .05 | .020 |
| SHORT TERM OVERLOAD | .01 | .006 |
| LOW TEMPERATURE OPERATION | .01 | .005 |
| RESISTANCE TO SOLDER HEAT | .01 | .003 |
| MOISTURE RESISTANCE | .05 | .010 |
| HIGH TEMPERATURE EXPOSURE | .05 | .025 |
| LOW TEMPERATURE STORAGE | .02 | .009 |
| LOAD LIFE - 1000 hours | .05 | .007 |
| TCR - ppm/ $^{\circ}$ C | 15 | <2 |

MECHANICAL DIMENSIONS

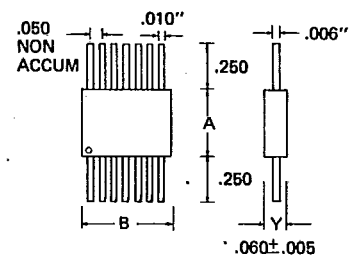
DUAL-IN-LINE (DIP)



SINGLE-IN-LINE (SIP)



FLATPACK



| NO. OF PINS | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 14 | 16 | 18 |
|-------------|------|------|------|------|------|------|------|----|------|------|------|------|
| A DIM (DIP) | - | - | .300 | - | .400 | - | .500 | - | .600 | .700 | .800 | .900 |
| B DIM (SIP) | .400 | .500 | .600 | .700 | .800 | .900 | 1.00 | - | - | - | - | - |

| STYLE | 1/4 x 3/8 | | 3/8 x 3/8 | |
|--------|-----------|------|-----------|------|
| | A | B | A | B |
| 14-PIN | .260 | .375 | .375 | .375 |
| 16-PIN | .260 | .400 | .375 | .400 |



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