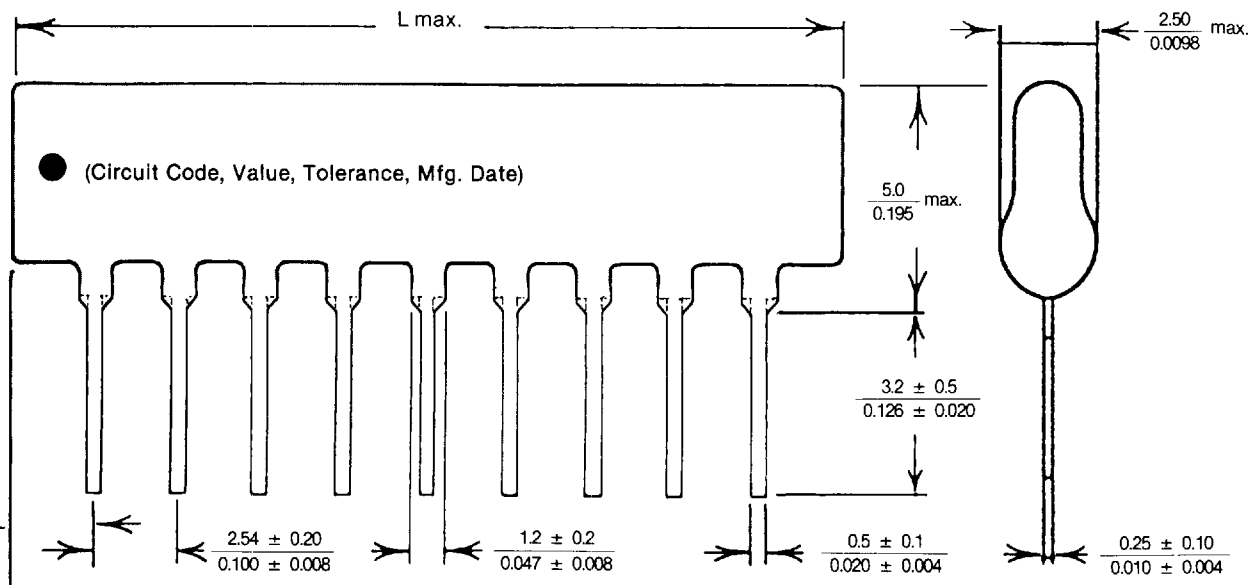


## THICK FILM SIP RESISTOR LOW PROFILE NETWORK



| No. of Pins (P) | Body Length (L max.)   |
|-----------------|------------------------|
| 3 ~ 12          | $2.56 \times P + 2.54$ |

## RATING

| RESISTANCE RANGE     | R circuit<br>100Ω ~ 10KΩ | Others<br>22Ω ~ 1.0MΩ | OPERATING TEMP. RANGE | 55°C ~ +125°C |
|----------------------|--------------------------|-----------------------|-----------------------|---------------|
| T. C. R.             | ±200ppm/°C               |                       | MAX. WORKING VOLTAGE  | 100V          |
| RESISTANCE TOLERANCE | F (+1%) G (+2%) J (+5%)  | Others                | RATING AMBIENT TEMP.  | -70°C         |
| WATTAGE/ELEMENT      | S circuit<br>200mW       | Others<br>125mW       |                       |               |

## CIRCUIT CONSTRUCTIONS

| CIRCUIT SYMBOL       | B                                           | S                                                      | C                                                      | D                                                      |
|----------------------|---------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| NUMBER OF PINS       | 3 ~ 12                                      | 4 ~ 12                                                 | 5 ~ 11                                                 | 5 ~ 12                                                 |
| CIRCUIT CONSTRUCTION | <p><math>R_1 = R_2 = \dots = R_n</math></p> | <p><math>R_1 = R_2 = \dots = R_n</math></p>            | <p><math>R_1 = R_2 = \dots = R_n</math></p>            | <p><math>R_1 = R_2 = \dots = R_n</math></p>            |
|                      | A                                           | T                                                      | E                                                      | R                                                      |
|                      | 3 ~ 12                                      | 5 ~ 11                                                 | 5 ~ 11                                                 | 4 ~ 11                                                 |
|                      | <p><math>R_1 = R_2 = \dots = R_n</math></p> | <p><math>R_1 = R_2 \text{ OR } R_1 \neq R_2</math></p> | <p><math>R_1 = R_2 \text{ OR } R_1 \neq R_2</math></p> | <p><math>R_1 = R_2 \text{ OR } R_1 \neq R_2</math></p> |

**CHARACTERISTICS**

| REQUIREMENTS                     |           | CHARACTERISTICS         | TEST METHOD                 |
|----------------------------------|-----------|-------------------------|-----------------------------|
|                                  |           |                         | MIL-STD-202E                |
| Operating Temp. Range            |           | - 55°C ~ + 125°C        |                             |
| Temp. Coefficient                |           | ±200ppm/°C              | 304 (Operating Temp. Range) |
| Short Time Overload              |           | ±(0.5% + 0.05Ω)         | (MIL R 83401B 3.14)         |
| Insulation Resistance            |           | Over 10 <sup>4</sup> MΩ | 302A                        |
| Dielectric Withstanding V.       |           | ±(0.5% + 0.05Ω)         | 301 D.C250V 60sec           |
| Terminal Strength                | Pull Test | ±(0.5% + 0.05Ω)         | 211A, A 2lb                 |
|                                  | Bend Test | 3 cycles and over       | 211A, B                     |
| Resistance to Soldering Heat     |           | ±(0.5% + 0.05Ω)         | 210A, B                     |
| Solderability                    |           | 95% min.                | 208C                        |
| Life (at Elevated Ambient Temp.) |           | ±3%                     | 108A 155°C/1000Hr           |
| Temperature Cycling              |           | ±(0.5% + 0.05Ω)         | 102A -40°C 85°C             |
| Endurance (Moisture Load)        |           | ±1% <100K> ±2%          | 103B 1000Hr                 |
| Endurance (Rated Load)           |           | ±1% <100K> ±2%          | 108A 70°C 1000Hr            |

**ORDERING DESIGNATION:**

| RKL B                         | X                   | X              | XXX                                         | X                             | XXX                                                                                                              |
|-------------------------------|---------------------|----------------|---------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------|
| TYPE                          | NUMBER OF RESISTORS | CIRCUIT SYMBOL | NOMINAL RESISTANCE                          | RESISTANCE TOLERANCE          | PACKAGING                                                                                                        |
| CIRCUIT SYMBOL<br>B, S, C, D, |                     | None = "B"     | 2 Significant Figs.<br>+<br>10 x multiplier | F = ±1%<br>G = ±2%<br>J = ±5% | None = Bulk/Poly Bag<br>STP = Stick Magazine<br>STB = Stick Magazine<br>TBA = Perf. Taping<br>TPA = Perf. Taping |

| RKL                           | X                   | X              | R <sub>1</sub> /R <sub>2</sub><br>XXX/XXX   | X                             | XXX                                                                                                              |
|-------------------------------|---------------------|----------------|---------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------|
| TYPE                          | NUMBER OF RESISTORS | CIRCUIT SYMBOL | NOMINAL RESISTANCE                          | RESISTANCE TOLERANCE          | PACKAGING                                                                                                        |
| CIRCUIT SYMBOL<br>A, T, E, R, |                     |                | 2 Significant Figs.<br>+<br>10 x multiplier | F = ±1%<br>G = ±2%<br>J = ±5% | None = Bulk/Poly Bag<br>STP = Stick Magazine<br>STB = Stick Magazine<br>TBA = Perf. Taping<br>TPA = Perf. Taping |

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