

750 SERIES

Single-In-Line

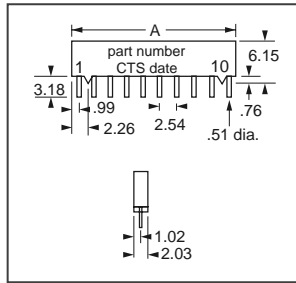
Solid ceramic networks are more efficient because they operate at lower temperatures. This translates into long term reliability in a resistor network.

Specifications:

- Resistance Values: 22Ω through 1 MegΩ
- Resistance Tolerance: ±2%
- Temperature Coefficient: ±100PPM/°C typical

Features:

- Low-profile construction
- Excellent power dissipation
- High reliability
- Alumina substrate



AVAILABLE VALUES (listed in ohms)

| Isolated & Bussed Circuits | | | | | Dual Terminator Circuits | |
|----------------------------|-----|------|------|------|--------------------------|---------|
| 22 | 150 | 820 | 5.1K | 33K | 270K | 81/130 |
| 27 | 180 | 1K | 5.6K | 39K | 330K | 121/195 |
| 33 | 200 | 1.2K | 6.8K | 47K | 390K | 162/260 |
| 39 | 220 | 1.5K | 8.2K | 56K | 470K | 180/390 |
| 47 | 270 | 1.8K | 10K | 68K | 560K | 220/330 |
| 51 | 330 | 2K | 12K | 82K | 680K | 330/390 |
| 56 | 390 | 2.2K | 15K | 100K | 820K | |
| 68 | 470 | 2.7K | 18K | 120K | 1 Meg | |
| 82 | 510 | 3.3K | 20K | 150K | | |
| 100 | 560 | 3.9K | 22K | 180K | | |
| 120 | 680 | 1.7K | 27K | 220K | | |

770 SERIES

Single-In-Line Conformal

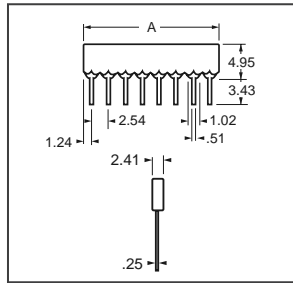
Standard Products 770 series is available in 6, 8 and 10 pin sizes, and in many available resistance values.

Specifications:

- Resistance Values: 22Ω through 1 MegΩ
- Resistance Tolerance: ±2%
- Temperature Coefficient: ±100PPM/°C typical

Features:

- High reliability resistors
- Low-profile construction
- .100" lead spacing
- High reliability
- Alumina substrate



AVAILABLE VALUES (listed in ohms)

| Isolated & Bussed Circuits | | | | | Dual Terminator Circuits | |
|----------------------------|-----|------|------|------|--------------------------|---------|
| 22 | 150 | 820 | 5.1K | 33K | 270K | 81/130 |
| 27 | 180 | 1K | 5.6K | 39K | 330K | 121/195 |
| 33 | 200 | 1.2K | 6.8K | 47K | 390K | 162/260 |
| 39 | 220 | 1.5K | 8.2K | 56K | 470K | 180/390 |
| 47 | 270 | 1.8K | 10K | 68K | 560K | 220/330 |
| 51 | 330 | 2K | 12K | 82K | 680K | 330/390 |
| 56 | 390 | 2.2K | 15K | 100K | 820K | |
| 68 | 470 | 2.7K | 18K | 120K | 1 Meg | |
| 82 | 510 | 3.3K | 20K | 150K | | |
| 100 | 560 | 3.9K | 22K | 180K | | |
| 120 | 680 | 4.7K | 27K | 220K | | |

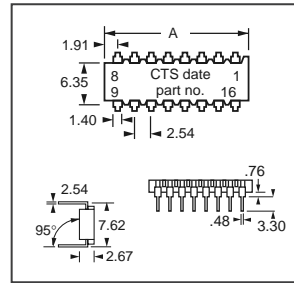
760/761 SERIES

Dual-In-Line

Thin cover coating generates higher power ratings. Thin proprietary cover protection keeps resistors near the surface, allowing the alumina substrate to act as a heat sink. That means higher power ratings than molded networks.

Specifications:

- Resistance Values: 22Ω through 1 MegΩ.
- Resistance Tolerance: ±2%.
- Temperature Coefficient: ±100PPM/°C typical



AVAILABLE VALUES (listed in ohms)

| Isolated & Bussed Circuits | | | | | Dual Terminator Circuits | |
|----------------------------|-----|------|------|------|--------------------------|-----------|
| 22 | 150 | 820 | 5.1K | 33K | 270K | 180/390 |
| 27 | 180 | 1K | 5.6K | 39K | 330K | 220/270 |
| 33 | 200 | 1.2K | 6.8K | 47K | 390K | 220/330 |
| 39 | 220 | 1.5K | 8.2K | 56K | 470K | 330/390 |
| 47 | 270 | 1.8K | 10K | 68K | 560K | 680/1.5K |
| 51 | 330 | 2K | 12K | 82K | 680K | 1.5K/3.3K |
| 56 | 390 | 2.2K | 15K | 100K | 820K | |
| 68 | 470 | 2.7K | 18K | 120K | 1 Meg | |
| 82 | 510 | 3.3K | 20K | 150K | | |
| 100 | 560 | 3.9K | 22K | 180K | | |
| 120 | 680 | 4.7K | 27K | 220K | | |

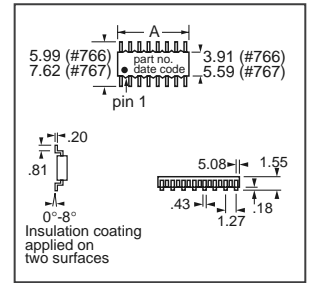
766/767 SERIES

Dual-In-Line Surface Mount

Requires 30% less board space than molded networks of the same power rating.

Specifications:

- Resistance Range: 22Ω through 1 MegΩ
- Resistance Tolerance: Standard: ±2%
- Max. Operating Voltage: 50V not to exceed rated power
- Temperature Coefficient: 100Ω through 1 MegΩ ±100PPM/°C typical, Below 100Ω±200PPM/°C typical
- Operating Temp. Range: -55°C to 125°C
- Storage Temp. Range: -55°C to 125°C
- Dielectric Strength: 100V



AVAILABLE VALUES (listed in ohms)

| Isolated & Bussed Circuits | | | | | Dual Terminator Circuits | |
|----------------------------|-----|------|------|------|--------------------------|---------|
| 22 | 150 | 820 | 5.1K | 33K | 270K | 180/390 |
| 27 | 180 | 1K | 5.6K | 39K | 330K | 220/330 |
| 33 | 200 | 1.2K | 6.8K | 47K | 390K | 330/390 |
| 39 | 220 | 1.5K | 8.2K | 56K | 470K | 330/470 |
| 47 | 270 | 1.8K | 10K | 68K | 560K | |
| 51 | 330 | 2K | 12K | 82K | 680K | |
| 56 | 390 | 2.2K | 15K | 100K | 820K | |
| 68 | 470 | 2.7K | 18K | 120K | 1 Meg | |
| 82 | 510 | 3.3K | 20K | 150K | | |
| 100 | 560 | 3.9K | 22K | 180K | | |
| 120 | 680 | 4.7K | 27K | 220K | | |

Fig. 1 - Bussec

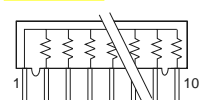


Fig. 2 - Isolated

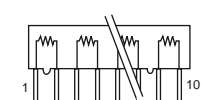


Fig. 3 - Dual Term

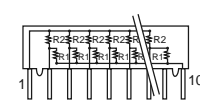


Fig. 4 - Bussed

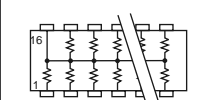


Fig. 5 - Isolated

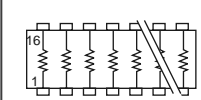
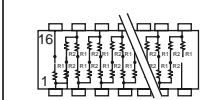


Fig. 6 - Dual Term



| Series | Fig. | No. of Pins | No. of Res. | Dim. "A" (mm) | Resistor Power Rating (mW@70°C) | Digi-Key* Part No. | Pricing | | | | |
|--------|------|-------------|-------------|---------------|---------------------------------|---------------------|--------------------|-------|-------|--------|--------|
| | | | | | | | 1 | 10 | 100 | 1,000 | |
| 750 | 1 | 6 | 5 | 14.68 | 250 | 750-61-R(Value)-ND | .65 | 5.67 | 44.55 | 324.00 | |
| | 1 | 8 | 7 | 19.76 | 250 | 750-81-R(Value)-ND | .75 | 6.55 | 51.43 | 374.00 | |
| | 1 | 10 | 8 | 24.84 | 250 | 750-101-R(Value)-ND | .89 | 7.81 | 61.33 | 446.00 | |
| | 2 | 6 | 3 | 14.68 | 400 | 750-63-R(Value)-ND | .65 | 5.67 | 44.55 | 324.00 | |
| | 2 | 8 | 4 | 19.76 | 400 | 750-83-R(Value)-ND | .75 | 6.55 | 51.43 | 374.00 | |
| | 2 | 10 | 5 | 24.84 | 400 | 750-103-R(Value)-ND | .89 | 7.81 | 61.33 | 446.00 | |
| | 3 | 8 | 12 | 19.76 | 250 | 750-85-R(Value)-ND | 1.01 | 8.82 | 69.30 | 504.00 | |
| | 3 | 10 | 16 | 24.84 | 250 | 750-105-R(Value)-ND | 1.22 | 10.64 | 83.60 | 608.00 | |
| | 770 | 1 | 6 | 5 | 15.19 | 100 | 770-61-R(Value)-ND | .21 | 1.80 | 13.50 | 90.00 |
| | | 1 | 8 | 7 | 20.27 | 100 | 770-81-R(Value)-ND | .29 | 2.40 | 18.00 | 120.00 |
| 1 | | 10 | 9 | 25.35 | 100 | 770-101-R(Value)-ND | .30 | 2.63 | 20.63 | 150.00 | |
| 2 | | 6 | 3 | 15.19 | 200 | 770-63-R(Value)-ND | .21 | 1.80 | 13.50 | 90.00 | |
| 2 | | 8 | 4 | 20.27 | 200 | 770-83-R(Value)-ND | .29 | 2.40 | 18.00 | 120.00 | |
| 2 | | 10 | 5 | 25.35 | 200 | 770-103-R(Value)-ND | .30 | 2.63 | 20.63 | 150.00 | |
| 3 | | 8 | 12 | 20.27 | 100 | 770-85-R(Value)-ND | .55 | 4.60 | 34.50 | 230.00 | |
| 3 | | 10 | 16 | 25.35 | 100 | 770-105-R(Value)-ND | .52 | 4.55 | 35.75 | 260.00 | |

* For complete part number, substitute the corresponding value from above chart in (Value).

| Series | Fig. | No. of Pins | No. of Res. | Dim. "A" (mm) | Resistor Power Rating (mW@70°C) | Digi-Key* Part No. | Pricing | | | |
|--------|------|-------------|-------------|---------------|---------------------------------|---------------------|---------|-------|-------|--------|
| | | | | | | | 1 | 10 | 100 | 1,000 |
| 760 | 4 | 14 | 13 | 19.05 | 150 | 760-1-R(Value)-ND | .70 | 6.38 | 58.00 | 348.00 |
| | 4 | 16 | 15 | 21.59 | 150 | 761-1-R(Value)-ND | .71 | 6.55 | 59.50 | 357.00 |
| | 5 | 14 | 7 | 19.05 | 300 | 760-3-R(Value)-ND | .70 | 6.38 | 58.00 | 348.00 |
| | 5 | 16 | 8 | 21.59 | 300 | 761-3-R(Value)-ND | .71 | 6.55 | 59.50 | 357.00 |
| | 6 | 14 | 24 | 19.05 | 150 | 760-5-R(Value)-ND | .97 | 8.86 | 80.50 | 483.00 |
| | 6 | 16 | 28 | 21.59 | 150 | 761-5-R(Value)-ND | .98 | 9.02 | 82.00 | 492.00 |
| 766 | 4 | 14 | 13 | 8.64 | 80 | 766-141-R(Value)-ND | 1.22 | 9.72 | 74.52 | 537.84 |
| | 4 | 16 | 15 | 9.91 | 80 | 766-161-R(Value)-ND | 1.22 | 9.72 | 74.52 | 537.84 |
| | 5 | 14 | 7 | 8.64 | 160 | 766-143-R(Value)-ND | 1.22 | 9.72 | 74.52 | 537.84 |
| | 5 | 16 | 8 | 9.91 | 160 | 766-163-R(Value)-ND | 1.22 | 9.72 | 74.52 | 537.84 |
| | 6 | 14 | 24 | 8.64 | 80 | 766-145-R(Value)-ND | 1.43 | 11.40 | 87.40 | 630.80 |
| | 6 | 16 | 28 | 9.91 | 80 | 766-165-R(Value)-ND | 1.43 | 11.40 | 87.40 | 630.80 |
| 767 | 4 | 14 | 13 | 9.91 | 100 | 767-141-R(Value)-ND | .75 | 6.00 | 46.00 | 332.00 |
| | 4 | 16 | 15 | 11.18 | 100 | 767-161-R(Value)-ND | .75 | 6.00 | 46.00 | 332.00 |
| | 5 | 14 | 7 | 9.91 | 200 | 767-143-R(Value)-ND | .75 | 6.00 | 46.00 | 332.00 |
| | 5 | 16 | 8 | 11.18 | 200 | 767-163-R(Value)-ND | .75 | 6.00 | 46.00 | 332.00 |
| | 6 | 14 | 24 | 9.91 | 100 | 767-145-R(Value)-ND | .90 | 7.20 | 55.20 | 398.40 |
| | 6 | 16 | 28 | 11.18 | 100 | 767-165-R(Value)-ND | .90 | 7.20 | 55.20 | 398.40 |