

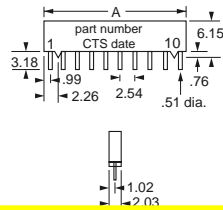
CTS® Resistor Networks

OVER 1,500
VALUES AVAILABLE

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.

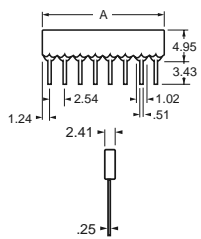
- Specifications:**
- Resistance Values: 22Ω through 1 MegΩ
 - Resistance Tolerance: ±2% • Temperature Coefficient: ±100PPM/°C typical
 - Features:
 - Low-profile construction • Excellent power dissipation • High reliability • Alumina substrate



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.

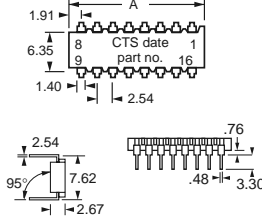
- Specifications:**
- Resistance Values: 22Ω through 1 MegΩ
 - Resistance Tolerance: ±2% • Temperature Coefficient: ±100PPM/°C typical
 - Features:
 - High reliability resistors • Low-profile construction • .100" lead spacing • High reliability • Alumina substrate



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.

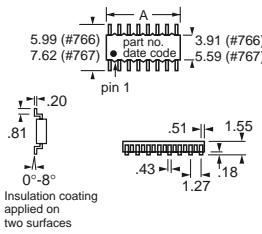
- Specifications:**
- Resistance Values: 22Ω through 1 MegΩ
 - Resistance Tolerance: ±2% • Temperature Coefficient: ±100PPM/°C typical



766/767 SERIES Dual-In-Line Surface Mount

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

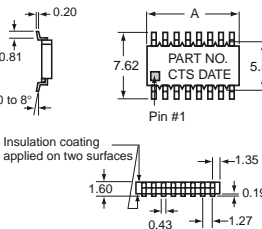
- Specifications:**
- Resistance Range: 22Ω through 1 MegΩ
 - Resistance Tolerance: Standard: ±2% • Max. Operating Voltage: 50V not to exceed rated power
 - Temp. Coefficient: 100Ω through 1 MegΩ ±100PPM/°C typical, Below 100Ω ±200PPM/°C typical
 - Operating Temp. Range: -55°C to 125°C
 - Storage Temp.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



768 SERIES Dual-In-Line Surface Mount

Medium body, small outline products. Low profile — board to network clearance of 0.005"/0.010".

- Specifications:**
- Resistance Range: Standard: 10Ω to 1MegΩ
 - Resistance Tolerance: Standard: ±2% or 0.5Ω (whichever is greater) • Max. Operating Voltage: 50V not to exceed rated power
 - Temp. Coefficient: Standard: 100Ω to 1 MegΩ ±100PPM/°C typical, 10Ω to 99Ω ±200PPM/°C typical
 - Operating Temp. Range: -55°C to 125°C
 - Dielectric Strength: 100VAC



AVAILABLE VALUES (listed in ohms)

Isolated and Bussed Circuits

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

AVAILABLE VALUES (listed in ohms)

750 and 770 SERIES Dual Terminator Circuits

81/130
121/195
162/260
180/390
220/330
330/390

AVAILABLE VALUES (listed in ohms)

760/761 SERIES Dual Terminator Circuits

180/390
220/270
220/330
330/390
680/1.5K
1.5K/3.3K

AVAILABLE VALUES (listed in ohms)

766/767 and 768 SERIES Dual Terminator Circuits

180/390
220/330
330/390
330/470

Fig. 1 - Bussed

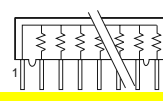


Fig. 2 - Isolated

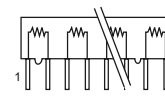


Fig. 3 - Dual Term

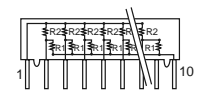


Fig. 4 - Bussed

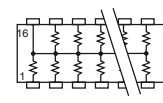


Fig. 5 - Isolated

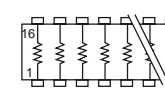
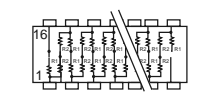


Fig. 6 - Dual Term



Series	Fig.	No. of Pins	No. of Res.	Dim. "A" (mm)	Resistor Power Rating (mW@70°C)	Resistor Part No.	Pricing			
							1	10	1,000	
750	1	6	5	14.68	250	750-61-R(Value)-ND	.91	7.95	62.43	454.00
	1	8	7	19.76	250	750-81-R(Value)-ND	1.05	9.17	72.05	524.00
	1	10	9	24.84	250	750-101-R(Value)-ND	1.25	10.92	85.80	624.00
	2	6	3	14.68	400	750-63-R(Value)-ND	.91	7.95	62.43	454.00
	2	8	4	19.76	400	750-83-R(Value)-ND	1.05	9.17	72.05	524.00
	2	10	5	24.84	400	750-103-R(Value)-ND	1.25	10.92	85.80	624.00
770	3	8	12	19.76	250	750-85-R(Value)-ND	1.41	12.36	97.08	706.00
	3	10	16	24.84	250	750-105-R(Value)-ND	1.70	14.91	117.15	852.00
	1	6	5	15.19	100	770-61-R(Value)-ND	.18	1.52	11.40	76.00
	1	8	7	20.27	100	770-81-R(Value)-ND	.24	2.04	15.30	102.00
	1	10	9	25.35	100	770-101-R(Value)-ND	.26	2.28	17.88	130.00
	2	6	3	15.19	200	770-63-R(Value)-ND	.18	1.52	11.40	76.00
760/761	2	8	4	20.27	200	770-83-R(Value)-ND	.24	2.04	15.30	102.00
	2	10	5	25.35	200	770-103-R(Value)-ND	.26	2.28	17.88	130.00
	3	8	12	20.27	100	770-85-R(Value)-ND	.50	4.20	31.50	210.00
	3	10	16	25.35	100	770-105-R(Value)-ND	.47	4.13	32.45	236.00
	4	14	13	19.05	150	760-1-R(Value)-ND	.98	8.13	68.25	422.50
	4	16	15	21.59	150	760-1-R(Value)-ND	1.00	9.16	83.25	499.50
766	5	14	7	19.05	300	760-3-R(Value)-ND	.98	8.13	68.25	422.50
	5	16	8	21.59	300	761-3-R(Value)-ND	1.00	9.16	83.25	499.50
	6	14	24	19.05	150	760-5-R(Value)-ND	1.35	11.28	94.71	586.30
	6	16	28	21.59	150	761-5-R(Value)-ND	1.38	12.62	114.75	688.50
	4	14	13	8.64	80	766-141-R(Value)-ND	1.22	9.72	68.04	421.20
	4	16	15	9.91	80	766-161-R(Value)-ND	1.22	9.72	68.04	421.20
767	5	14	7	8.64	160	766-143-R(Value)-ND	1.22	9.72	68.04	421.20
	5	16	8	9.91	160	766-163-R(Value)-ND	1.22	9.72	68.04	421.20
	6	14	24	8.64	80	766-145-R(Value)-ND	1.43	11.40	79.80	494.00
	6	16	28	9.91	80	766-165-R(Value)-ND	1.43	11.40	79.80	494.00
	4	14	13	9.91	100	767-141-R(Value)-ND	.66	5.25	36.75	227.50
	4	16	15	11.18	100	767-161-R(Value)-ND	.66	5.25	36.75	227.50
768	5	14	7	9.91	200	767-143-R(Value)-ND	.66	5.25	36.75	227.50
	5	16	8	11.18	200	767-163-R(Value)-ND	.66	5.25	36.75	227.50
	6	14	24	9.91	100	767-145-R(Value)-ND	.71	5.64	39.48	244.40
	6	16	28	11.18	100	767-165-R(Value)-ND	.71	5.64	39.48	244.40
	4	14	13	9.91	130	768-141-R(Value)-ND	.66	5.25	36.75	227.50
	4	16	15	11.18	150	768-161-R(Value)-ND	.66	5.25	36.75	227.50

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

Digi-Key® 766 Series Assortment Kits

Bussed Circuits

Set of 5 each of values in the series. 62 values (310 total pieces).
*Kit does not include value 330K ohm.

766-141-KIT-ND\$249.00

Set of 5 each of values in the series. 63 values (315 total pieces).

766-161-KIT-ND\$249.00

Isolated Circuits

Set of 5 each of values in the series. 63 values (315 total pieces).

766-143-KIT-ND\$249.00

Set of 5 each of values in the series. 61 values (305 total pieces).

*Kit does not include values 820, or 1.2K ohm.

766-163-KIT-ND\$249.00

Dual Terminator Circuits

Set of 5 each of values in the series. 4 values (20 total pieces).

766-DUAL-KIT-ND\$46.95

Digi-Key® 767 Series Assortment Kits

Bussed Circuits

Set of 5 each of values in the series. 62 values (310 total pieces).
*Kit does not include value 3.9K ohm.

767-141-KIT-ND\$159.95

Set of 5 each of values in the series. 63 values (315 total pieces).

767-161-KIT-ND\$159.95

Isolated Circuits

Set of 5 each of values in the series. 62 values (310 total pieces).

*Kit does not include value 27 ohm.

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Set of 5 each of values in the series. 63 values (315 total pieces).

767-163-KIT-ND\$159.95

Dual Terminator Circuits

Set of 5 each of values in the series. 4 values (20 total pieces).

767-DUAL-KIT-ND\$34.95

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Set of 5 each of values in the series. 62 values (310 total pieces).
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Isolated Circuits

Set of 5 each of values in the series. 62 values (310 total pieces).

* Kit does not include value 27 ohm.

768-143-KIT-ND\$159.95

Set of 5 each of values in the series. 63 values (315 total pieces).

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Set of 5 each of values in the series. 4 values (20 total pieces).

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