electrocube
... it's a part of what we do.

Single-Phase
RC Networks

(Available)

Electrocube carries an extensive line of more than 400 precision UL-recognized and ULc-approved RC Networks designed to prevent or substantially minimize the occurrence of arcing and noise generations in relay and switch contacts. They are manufactured as both off-the-shelf and made-to-custom design specifications from one network to 40 networks in a container. Made in the U.S., there are thousands of unique suppression designs to eliminate surges produced by relays and solenoids.

200 VDC / 125 VAC							
CAPACITY MFD.	RESISTANCE OHMS 10%	PEAK PULSE VOLTAGE	DIMENSIONS			#20 AWG TINNED SOLID WIRE	#18 AWG MTW 3" LEADS
			L	W	T		
0.5 ±10%	22	300V	1.00	.63	.38	RG1780-1	RG1983-1
0.5 ±10%	33	300V	1.00	.63	.38	RG1780-2	RG1983-2
0.5 ±10%	47	300V	1.00	.63	.38	RG1780-3	RG1983-3
0.5 ±10%	68	300V	1.00	.63	.38	RG1780-4	RG1983-4
0.5 ±10%	82	300V	1.00	.63	.38	RG1780-5	RG1983-5
0.5 ±10%	100	300V	1.00	.63	.38	RG1780-6	RG1983-6
0.5 ±10%	150	300V	1.00	.63	.38	RG1780-7	RG1983-7
0.5 ±10%	220	300V	1.00	.63	.38	RG1780-8	RG1983-8
0.5 ±10%	330	300V	1.00	.63	.38	RG1780-9	RG1983-9
0.5 ±10%	470	300V	1.00	.63	.38	RG1780-10	RG1983-10
0.5 ±10%	680	300V	1.00	.63	.38	RG1780-11	RG1983-11
1.0 ±10%	22	300V	1.00	.75	.50	RG1781-1	RG2030-1
1.0 ±10%	33	300V	1.00	.75	.50	RG1781-2	RG2030-2
1.0 ±10%	47	300V	1.00	.75	.50	RG1781-3	RG2030-3
1.0 ±10%	68	300V	1.00	.75	.50	RG1781-4	RG2030-4
1.0 ±10%	82	300V	1.00	.75	.50	RG1781-5	RG2030-5
1.0 ±10%	100	300V	1.00	.75	.50	RG1781-6	RG2030-6
1.0 ±10%	150	300V	1.00	.75	.50	RG1781-7	RG2030-7
1.0 ±10%	220	300V	1.00	.75	.50	RG1781-8	RG2030-8
1.0 ±10%	330	300V	1.00	.75	.50	RG1781-9	RG2030-9
1.0 ±10%	470	300V	1.00	.75	.50	RG1781-10	RG2030-10
1.0 ±10%	680	300V	1.00	.75	.50	RG1781-11	RG2030-11
600 VDC / 250 VAC							
CAPACITY MFD.	RESISTANCE OHMS 10%	PEAK PULSE VOLTAGE	DIMENSIONS			#20 AWG TINNED SOLID WIRE	#18 AWG MTW 3" LEADS
			L	W	T		
0.1 ±20%	22	900V	1.00	.63	.38	RG1782-1	RG2031-1
0.1 ±20%	33	900V	1.00	.63	.38	RG1782-2	RG2031-2
0.1 ±20%	47	900V	1.00	.63	.38	RG1782-3	RG2031-3
0.1 ±20%	68	900V	1.00	.63	.38	RG1782-4	RG2031-4
0.1 ±20%	82	900V	1.00	.63	.38	RG1782-5	RG2031-5
0.1 ±20%	100	900V	1.00	.63	.38	RG1782-6	RG2031-6
0.1 ±20%	150	900V	1.00	.63	.38	RG1782-7	RG2031-7
0.1 ±20%	220	900V	1.00	.63	.38	RG1782-8	RG2031-8
0.1 ±20%	330	900V	1.00	.63	.38	RG1782-9	RG2031-9
0.1 ±20%	470	900V	1.00	.63	.38	RG1782-10	RG2031-10
0.1 ±20%	680	900V	1.00	.63	.38	RG1782-11	RG2031-11
0.25 ±20%	22	900V	1.00	.75	.50	RG1783-1	RG1988-1
0.25 ±20%	33	900V	1.00	.75	.50	RG1783-2	RG1988-2
0.25 ±20%	47	900V	1.00	.75	.50	RG1783-3	RG1988-3
0.25 ±20%	68	900V	1.00	.75	.50	RG1783-4	RG1988-4
0.25 ±20%	82	900V	1.00	.75	.50	RG1783-5	RG1988-5
0.25 ±20%	100	900V	1.00	.75	.50	RG1783-6	RG1988-6
0.25 ±20%	150	900V	1.00	.75	.50	RG1783-7	RG1988-7
0.25 ±20%	220	900V	1.00	.75	.50	RG1783-8	RG1988-8
0.25 ±20%	330	900V	1.00	.75	.50	RG1783-9	RG1988-9
0.25 ±20%	470	900V	1.00	.75	.50	RG1783-10	RG1988-10
0.25 ±20%	680	900V	1.00	.75	.50	RG1783-11	RG1988-11
0.5 ±10%	22	900V	1.25	.84	.58	RG1784-1	RG1986-1
0.5 ±10%	33	900V	1.25	.84	.58	RG1784-2	RG1986-2
0.5 ±10%	48	900V	1.25	.84	.58	RG1784-3	RG1986-3
0.5 ±10%	68	900V	1.25	.84	.58	RG1784-4	RG1986-4
0.5 ±10%	82	900V	1.25	.84	.58	RG1784-5	RG1986-5
0.5 ±10%	100	900V	1.25	.84	.58	RG1784-6	RG1986-6
0.5 ±10%	150	900V	1.25	.84	.58	RG1784-7	RG1986-7
0.5 ±10%	220	900V	1.25	.84	.58	RG1784-8	RG1986-8
0.5 ±10%	330	900V	1.25	.84	.58	RG1784-9	RG1986-9
0.5 ±10%	470	900V	1.25	.84	.58	RG1784-10	RG1986-10
0.5 ±10%	680	900V	1.25	.84	.58	RG1784-11	RG1986-11

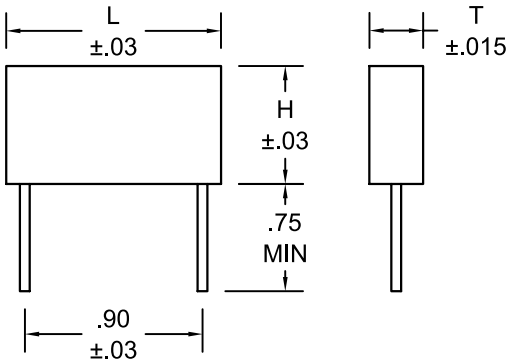
Single-Phase
Available in solid wire and stranded wire leads

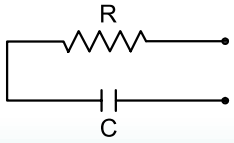
Features

- All resistors rated 0.5 watt
- Networks with MTW leads have nominal lead spacing
- Other lead lengths and resistor values available

Specifications

- Maximum peak surge voltage is 1.5 times the rated DC voltage
- Temperature range: -40°C to +80°C





Single-Phase Heavy Duty
RC Networks

(Available)

Electrocube designs the UL-recognized and ULc-approved RG1676 RC Network for arc and noise suppression in heavy duty applications that require greater magnitudes of power dissipation. Made in the U.S., arc suppressing RC Networks consist of specially designed precision capacitors and resistors connected in a series. Spark discharges and induced noise are absorbed over a wide range by the accumulation characteristic and impedance of the capacitor. During this process, the RC time constant delays and averages surge voltage and oscillations.

PART NO.	RESISTANCE OHMS 10%	POWER WATTS	CAPACITY MFD.	VDC VOLTS	VAC VOLTS	METAL OXIDE VARISTOR PN.	LEAD LENGTH	CIRCUIT NO.
RG1676-1	100	10	1.00 ±10%	1000	480	N/A	24	1
RG1676-2	100	10	.50 ±10%	1000	480	N/A	24	1
RG1676-3	10	2	1.00 ±10%	600	250	N/A	25	1
RG1676-4	220	10	.47 ±10%	600	250	N/A	25	1
RG1676-5	220	1	.50 ±10%	600	250	N/A	25	1
RG1676-6	100	1	.10 ±10%	2000	480	N/A	24	1
RG1676-7	100	3	2.00 ±10%	600	250	N/A	25	1
RG1676-8	100	2	.47 ±10%	600	250	N/A	25	1
RG1676-9	220	1	.47 ±10%	600	250	N/A	25	1
RG1676-10	220	5	2.00 ±10%	600	250	N/A	25	1
RG1676-11	220	1	.50 ±10%	600	120	V130LA1	24	2
RG1676-12	220	2	.50 ±10%	1000	480	N/A	24	1
RG1676-13	220	1	.47 ±10%	1000	480	N/A	24	1
RG1676-14	220	1	.47 ±10%	600	120	V130LA1	24	2
RG1676-15	220	1	1.00 ±10%	600	250	N/A	25	1
RG1676-16	220	10	.50 ±10%	1000	480	N/A	24	1
RG1676-17	100	2	1.00 ±10%	600	250	N/A	25	1
RG1676-18	220	5	.47 ±10%	1000	480	N/A	48	1
RG1676-19	220	2	1.00 ±10%	400	120	N/A	24	1
RG1676-20	100	2	2.00 ±10%	600	250	N/A	18	1
RG1676-21	10	5	1.00 ±10%	1000	480	N/A	24	1
RG1676-22	220	2	.50 ±10%	400	120	N/A	24	1
RG1676-23	220	.5	.50 ±10%	400	120	N/A	24	1
RG1676-24	220	10	.50 ±10%	1000	480	N/A	36	1
RG1676-25	220	.5	.50 ±10%	400	120	N/A	36	1
RG1676-26	47	2	.10 ±10%	1000	480	N/A	12	1
RG1676-27	47	2	.10 ±10%	2000	480	N/A	12	1
RG1676-28	47	2	.10 ±10%	1000	250	V250LA2	24	2
RG1676-29	200	10	.50 ±10%	1000	480	N/A	24	1
RG1676-30	100	2	.47 ±10%	600	250	V300LA2	12	2
RG1676-31	22	1	.10 ±10%	1000	480	N/A	24	1
RG1676-32	100	10	.25 ±10%	1000	480	N/A	24	1
RG1676-33	50	10	.25 ±10%	1000	480	N/A	24	1
RG1676-34	220	5	.47 ±10%	1000	480	N/A	48	1
RG1676-35	220	.5	.50 ±10%	600	250	N/A	36	1
RG1676-36	220	1	.47 ±10%	600	120	V130LA1	120	2
RG1676-37	100	10	.18 ±10%	1000	480	N/A	24	1
RG1676-38	50	10	.50 ±10%	600	250	V250LA2	24	2
RG1676-39	50	10	.50 ±10%	1000	480	V480LA40A	24	2
RG1676-40	15	10	.25 ±10%	1000	480	N/A	24	1
RG1676-41	33	1	.10 ±10%	2000	480	N/A	24	1
RG1676-42	15	5	.50 ±10%	1000	480	N/A	24	1
RG1676-43	47	2	.47 ±20%	600	250	N/A	12	1
RG1676-44	100	10	.30 ±10%	1000	480	N/A	24	1
RG1676-45	220	5	.50 ±10%	1500	480	N/A	24	1
RG1676-46	10	5	.22 ±20%	1000	480	N/A	24	1
RG1676-47	220	1	.25 ±10%	1000	480	V480LA40A	24	2
RG1676-48	100	2	.10 ±10%	2000	480	N/A	24	1
RG1676-49	100	3	.10 ±10%	1000	480	N/A	24	1
RG1676-50	470	10	.25 ±10%	1000	480	V480LA40A	24	2
RG1676-51	220	10	.50 ±10%	1000	480	V480LA40A	24	2
RG1676-52	22	10	1.00 ±10%	600	250	N/A	24	1
RG1676-53	75	10	.50 ±10%	1000	480	N/A	24	1
RG1676-54	47	2	2.00 ±10%	600	250	N/A	24	1
RG1676-55	10	2	.47 ±10%	600	250	N/A	25	1
RG1676-56	50	10	.50 ±10%	600	250	V250LA40A	24	2
RG1676-57	100	1	.50 ±10%	600	120	V130LA1	24	2
RG1676-58	220	2	.10 ±10%	2000	275	V275LA40A	24	2
RG1676-59	220	2	.47 ±10%	600	250	V250LA40A	24	2
RG1676-60	220	5	1.00 ±10%	1000	480	N/A	24	1
RG1676-61	68	10	.25 ±10%	1000	480	N/A	24	1
RG1676-62	220	5	.25 ±10%	1000	480	N/A	24	1
RG1676-63	50	10	1.00 ±10%	600	250	N/A	24	1
RG1676-64	220	10	2.00 ±10%	600	250	N/A	24	1
RG1676-65	10	10	.50 ±10%	1000	480	N/A	24	1
RG1676-66	820	10	.47 ±10%	1000	480	N/A	10	1

For questions and/or a quote, contact Sales at 909-595-4037 or info@electrocube.com.

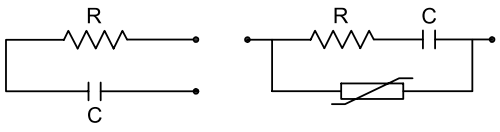
Single-Phase Heavy Duty
Available in solid wire and stranded wire leads

Features

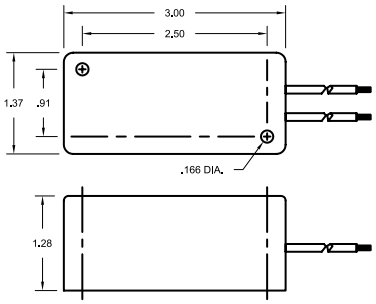
- Due to mass and weight, mounting holes at end of case to secure to chassis
- All leads #18 AWG MTW, except -24 through -33 and -61, which are #16 AWG MTW
- Special lead lengths available
- Other values of wattage and resistance or capacitance and voltage available

Specifications

- Maximum peak surge voltage is 1.5 times the rated DC voltage



Circuit #1 Circuit #2



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Founded in 1961, Electrocube is one of the most respected design manufacturers of passive electrical components – film capacitors, RC Networks, EMI Filters and foil transformers – for a wide range of standard and custom applications in the aerospace, military, audio, elevator, heavy equipment industries and more. Electrocube's hallmark is its clear understanding of the challenges faced by design engineers and purchasing agents. **www.electrocube.com**