

▼ Capacitors

Ceramic Capacitors

- Well suited at RF frequencies as tuning elements and bypass capacitors
- Low inherent inductance.
- Tolerance:
 - R 2791-R 2837 ±10%,
 - R 2840-R 2846 ±20%,
 - R 2850-R 2865 +80%/-20%
- All quantities are supplied loose.



Price Each	Value	Type	EIA Code	Volts DC	Pitch	RRP	10+	100+
R 2791	1pF	NPO		50V	5	0.16	0.11	0.09
R 2792	2pF	NPO		50V	5	0.16	0.11	0.09
R 2793	3pF	NPO		50V	5	0.16	0.11	0.09
R 2794	4pF	NPO		50V	5	0.16	0.11	0.09
R 2795	5pF	NPO		50V	5	0.16	0.11	0.09
R 2796	6pF	NPO		50V	5	0.16	0.11	0.09
R 2797	7pF	NPO		50V	5	0.16	0.11	0.09
R 2798	8pF	NPO		50V	5	0.16	0.11	0.09
R 2810	10pF	NPO		50V	5	0.16	0.11	0.09
R 2811	12pF	NPO		50V	5	0.16	0.11	0.09
R 2812	15pF	NPO		50V	5	0.16	0.11	0.09
R 2813	18pF	NPO		50V	5	0.16	0.11	0.09
R 2814	22pF	NPO		50V	5	0.16	0.11	0.09
R 2815	27pF	NPO		50V	5	0.16	0.11	0.09
R 2816	33pF	NPO		50V	5	0.16	0.11	0.09
R 2817	39pF	NPO		50V	5	0.16	0.11	0.09
R 2818	47pF	SL		50V	5	0.16	0.11	0.09
R 2819	56pF	SL		50V	5	0.16	0.11	0.09
R 2820	68pF	SL		50V	5	0.16	0.11	0.09
R 2821	82pF	SL		50V	5	0.16	0.11	0.09
R 2822	100pF	SL		50V	5	0.16	0.11	0.09
R 2823	120pF	SL		50V	5	0.16	0.11	0.09
R 2824	150pF	SL		50V	5	0.16	0.11	0.09
R 2825	180pF	SL		50V	5	0.16	0.11	0.09
R 2826	220pF	SL		50V	5	0.16	0.11	0.09
R 2827	270pF	Y5P		50V	5	0.16	0.11	0.09
R 2828	330pF	Y5P		50V	5	0.16	0.11	0.09
R 2829	390pF	Y5P		50V	5	0.16	0.11	0.09
R 2830	470pF	Y5P		50V	5	0.16	0.11	0.09
R 2831	560pF	Y5P		50V	5	0.16	0.11	0.09
R 2832	680pF	Y5P		50V	5	0.16	0.11	0.09
R 2833	820pF	Y5P		50V	5	0.16	0.11	0.09
R 2834	0.001µF	Y5P	102	50V	5	0.16	0.11	0.09
R 2837	0.0022µF	Y5P	222	50V	5	0.16	0.11	0.09
R 2840	0.0033µF	Z5U	332	50V	5	0.16	0.11	0.09
R 2842	0.0047µF	Z5U	472	50V	5	0.16	0.11	0.09
R 2843	0.0056µF	Z5U	562	50V	5	0.16	0.11	0.09
R 2844	0.0068µF	Z5U	682	50V	5	0.11	0.11	0.09
R 2845	0.0082µF	Z5U	822	50V	5	0.16	0.11	0.09
R 2846	0.01µF	Z5U	103	50V	5	0.16	0.11	0.09
R 2850	0.022µF	Z5V	223	50V	5	0.16	0.11	0.09
R 2855	0.033µF	Z5V	333	50V	5	0.16	0.11	0.09
R 2860	0.047µF	Y5V	473	50V	5	0.16	0.11	0.09
R 2865	0.1µF	Y5V	104	50V	5	0.16	0.11	0.09

2.7V Super Capacitors

R 4941-45: high current peak power back up applications. R 4970-72: low current long period backup suitable for lighting, traffic signs, memory, emergency backup etc.

SPECIFICATIONS

R 4941-5 Cycle life:	500,000
R 4970-2 Cycle life:	20,000
R 4941-5 Surge voltage:	2.85V
R 4970-2 Surge voltage:	2.5V
Tolerance:	±20%
Temperature Range:	-25° to 60°C



Price Each	Current (Rated)	Current (Max)	Energy Density	Size (mm)	RRP	10+	25+	
R 4941	5F 2.7V	1.3A	4.9A	2.53Wh/kg	100x20H	6.95	6.50	5.95
R 4943	25F 2.7V	6.0A	20A	3.72Wh/kg	160x25H	12.95	9.75	8.25
R 4945	100F 2.7V	21.5A	59A	5.06Wh/kg	220x45H	26.95	24.50	21.95
R 4970	10F 2.3V	0.007A	0.18A	-	100x20H	7.95	7.25	6.50
R 4972	50F 2.3V	0.03A	0.89A	-	160x25H	8.50	7.50	6.95

PCB Mount (RB) Bipolar

- Radial lead • Excellent frequency characteristics • Low leakage current and low dissipation factor • Temperature range -40° to +85°C • Surge voltage 63V • Tolerance: ±20%
- All quantities are supplied loose.



Price Each	Value	Volts DC	Ripple (mA)	Diameter	Pitch	Height	RRP	10+	50+
R 6510A	1µF	50V	45	5	2	11	0.55	0.39	0.33
R 6520A	2.2µF	50V	85	8	4	11	0.55	0.39	0.33
R 6530	3.3µF	50V	105	8	3.5	11	0.55	0.39	0.33
R 6540A	4.7µF	50V	145	8	4	11	0.55	0.39	0.33
R 6550	6.8µF	50V	280	8	4	11	0.55	0.39	0.33
R 6560A	10µF	50V	365	10	5.5	20	0.55	0.39	0.33
R 6570A	22µF	50V	480	8	3.5	11	0.95	0.65	0.55
R 6580A	47µF	50V	360	12.5	5.5	24.5	1.65	1.15	0.95
R 6590	100µF	50V	900	16	8	26	2.75	1.90	1.65
R 6600A	220µF	50V	378	10	5	21	2.95	2.00	1.75

Storage Super Capacitors

Designed to act as a standby backup source of power in circuits, especially those with memory chips requiring constant power to retain code.

All quantities supplied loose.



Price Each	Value	Volts DC	Leakage	Size	Pitch	Height	RRP	10+	25+
R 4980	2.5F	5.4V	0.01mA	10.5x21	5.5	22.5	10.95	9.95	8.95
R 4996A	1F	5.5V	≤0.1mA	200	20	6	5.95	4.15	3.45

High Voltage 3kV Ceramic Capacitors

- All 3kV (3000V)
- Temperature range -25°C to 85°C.
- Tolerance: ±10%
- All quantities are supplied loose.



Price Each	Value	EIA Code	Type	Volts	Pitch	RRP	10+	100+
R 2874	22pf		SL	3000V	5	1.45	1.30	1.15
R 2876	33pf		SL	3000V	5	1.45	1.30	1.15
R 2882	100pf		Y5P	3000V	5	1.45	1.30	1.15
R 2886	220pf		Y5P	3000V	5	1.45	1.30	1.15
R 2888	470pf		Y5P	3000V	7.5	1.45	1.30	1.15
R 2889	0.001µF	102	Z5U	3000V	5	1.45	1.30	1.15
R 2890	0.0022µF	222	Z5V	3000V	7.5	1.45	1.30	1.15
R 2891	0.0033µF	332	Z5V	3000V	7.5	2.00	1.65	1.45
R 2892	0.0047µF	472	Z5V	3000V	10	2.20	1.75	1.50
R 2893	0.01µF	103	Z5V	3000V	10	2.85	1.90	1.65
R 2894	0.022µF	223	Z5V	3000V	10	2.95	2.00	1.75

450V AC 2UF Filter Capacitor

Suitable for phase correction or motor start capacitor. Rated at 450V ac. Tolerance: +10%, -5%. Dimensions: 37L x 16W x 29H mm. Pin pitch 32mm. All quantities are supplied loose.



Price Each	RRP	10+	25+
R 6900 450V ac 2µF	5.95	5.40	4.95

Capacitor Bulk Packs

Stock up the workbench with these handy component packs containing popular values green caps, ceramic caps & electrolytic caps.



Price Per Pack	RRP	4+
R 3510 Greencap Capacitors Pk ≈ 50	8.50	7.00
R 3515 Ceramic Capacitor Pk ≈ 100	8.50	7.00
R 3520 RB Electrolytic Capacitors Pk ≈ 55	11.50	10.00