

Column 2 [ES01 - Random Voltage Generator Component Kit]

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	Do Not Fit	1	C106	-
2	82pF 5% Ceramic	1	C201	RAD-0.2N
3	2.2nF 63V Polyester	1	C105	RAD-0.2
4	100nF Ceramic	2	C301, C302	RAD-0.2N
5	100nF 63V Polyester	1	C104	RAD-0.2
6	470nF 63V Polyester	2	C102, C103	RAD-0.2X
7	10uF 35V Tantalum	1	C101	RB-D7.5-P5.0
8	4u7 Ceramic X7R	2	C303, C304	0805
	CONNECTOR			
9	8-pin IC Socket 0.3inch	2	U101, U201	DIP-8
10	IDC16 RA Box Header	1	J301	2.54MM
	DIODE			
11	1N4148	1	D201	DIODE-0.3
	LINEAR			
12	TL082 Dual JFET Opamp	1	U101	DIP-8
13	LM741 - GP Opamp	1	U201	DIP-8
	INDUCTOR			
14	Ferrite Bead - 0.45uH 7A	2	L101, L102	AXIAL-0.3
	OPTO-ELECTRONIC			
15	3mm HE-Yellow LED	1	D202	-
	RESISTOR			
16	330R 1% 0.5W Metal Film	2	R108, R109	AXIAL-0.4
17	560R 1% 0.5W Metal Film	1	R203	AXIAL-0.4
18	1K3 1% 0.5W Metal Film	1	R204	AXIAL-0.4
19	10K 1% 0.5W Metal Film	3	R105, R201, R202	AXIAL-0.4

Main [ES01 - Random Voltage Generator Component Kit]

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	22pF 10% Ceramic	2	C302, C402	RAD-0.2N
2	470pF 10% Ceramic	1	C203	RAD-0.2N
3	1nF 63V Polyester	1	C202	RAD-0.2
4	10nF 63V Polyester	1	C201	RAD-0.2
5	33nF 63V Polyester	1	C401	RAD-0.2
6	100nF Ceramic	7	C603, C604, C605, C606, C607, C608, C611	RAD-0.2N
7	150nF 63V Polyester	1	C301	RAD-0.2
8	10uF 35V Electrolytic	2	C601, C602	RB-D5.0-P2.0
	CONNECTOR			
9	IDC10 Box Header	1	J601	2.54MM
10	8-pin IC Socket 0.3inch	3	Q301, U302, U401	DIP-8
11	14-pin IC Socket 0.3inch	1	U201	DIP-14
12	IDC16 Receptacle	2	J101, J201	2.54MM
13	16-pin IC Socket 0.3inch	1	U301	DIP-16
	DIODE			
14	1N4148	5	D201, D202, D203, D204, D401	DIODE-0.3
	LINEAR			
15	LM13700 - Dual OTA	1	U301	DIP-16
16	LM3900 - Quad Norton Amplifier	1	U201	DIP-14
17	CA3140 Opamp	2	U302, U401	DIP-8
	INDUCTOR			
18	Ferrite Bead - 0.45uH 7A	2	L601, L602	AXIAL-0.3
	RESISTOR			
19	330R 1% 0.5W Metal Film	3	R206, R310, R406	AXIAL-0.4
20	2K7 1% 0.5W Metal Film	1	R303	AXIAL-0.4
21	10K 1% 0.5W Metal Film	1	R402	AXIAL-0.4

