

Dinoplex AEC 101 / AEC 102, Replacement Component List
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Original Part				Replacement Part		
Part #	Type	Description	Defect Probability	Type	Manufacturer	Comment
T1, T2	RCA 39578 or 2N3773	TO-3 NPN Transistor, 160V, 16A	High	2N3773 transistor	ON	Always replace both T1 and T2
TH1	C137PB	C137PB available as NOS	Medium	25RIA120 thyristor	Vishay	
D1	G8 HZMR	DO-4, 12A, 800V, screw=anode	Low	12FR80 or 12FR100 DO-4 (DO-203AA) diode	Vishay	
D2	G8 HZM	DO-4, 12A, 800V, screw=cathode	Low	12F80 or 12F100 DO-4 (DO-203AA) diode	Vishay	
D3	G8 HZMR	DO-4, 12A, 800V, screw=anode	Low	12FR80 or 12FR100 DO-4 (DO-203AA) diode	Vishay	
D4	G8 HZM	DO-4, 12A, 800V, screw=cathode	Low	12F80 or 12F100 DO-4 (DO-203AA) diode	Vishay	
D5	G8 HZMA	DO-4, 12A, 800V, Avalanche, screw=cathode	Low	DSI 17-08A	IXYS	Avalanche diode
D6	1N1344BR	DO-4, 6A, 200V, screw=anode	Low	12FR20 DO-4 (DO-203AA) diode	Vishay	
D7	P1000	DO-29, Diode, 1A, 1000V	Low	1N4586 or 1N4007 diode	Various	
D8	P200	DO-29, Diode, 1A, 200V	Low	1N4383 or 1N4003 diode	Various	
C1	0,47uF/Vicc 125	Axial Film Capacitor	Low	1813 470n 10% 250V film capacitor	Vishay	
C2	150 uF 63V	Axial Electrolyte Capacitor	High	150 or 220uF 10% >63 Volts >85C	Vishay	
C3	0,047uF/Vicc 1000	Axial Film Capacitor	Low	47nF 20% 1.5KV DC film capacitor	Vishay	
C4	1,5uF/600 Volt	Radial Electrolyte Capacitor	Low	B32656S0155K501 MKP	EPCOS	Smaller rectangular casing
R1	2,7Ω/5%/22W	Axial Ceramic Resistor	Low	214-8 2R7 10% ceramic resistor	UTM	
R2	2,7Ω/5%/22W	Axial Ceramic Resistor	Low	214-8 2R7 10% ceramic resistor	UTM	
R3	22Ω/5%/22W	Axial Ceramic Resistor	Low	214-8 22R 10% ceramic resistor	UTM	
R4	22Ω/5%/22W	Axial Ceramic Resistor	Low	214-8 22R 10% ceramic resistor	UTM	
R5	47Ω/5%/22 W	Axial Ceramic Resistor	Low	214-8 47R 10% ceramic resistor	UTM	
R6	680Ω/10%/5W	Axial Resistor	Low	680Ω 10% 5W axial resistor	Various	
R7	680Ω/10%/5W	Axial Resistor	Low	680Ω 10% 5W axial resistor	Various	
R8	680Ω/10%/5W	Axial Resistor	Low	680Ω 10% 5W axial resistor	Various	
R9	150Ω/5%/5W	Axial Resistor	Low	150Ω 10% 5W axial resistor	Various	
R10	470KΩ/5%/3W/600V	Axial Resistor, High Voltage	Low	470K 10% 3W 600V axial resistor	Various	