

**ALPHA 374**

<b>PART DESCRIPTION</b>	<b>PART #</b>	<b>SCHEMATIC SYMBOL</b>
BLOWER HOWARD 115V 4450 115CFM		B1
Use Comair #MX2A3 115CFM (115vac) for replacement		B1
BULB # 334 28V	ILX-X102	I1,I2
CAPACITOR .02uF (CB-2)		C205,C207
CAPACITOR .1uF 50V DISC (CB-2)	CKM-1043-B	C205,C207 (BRD)
CAPACITOR (CB-2)		C212
CAPACITOR 10uF 25V (CB-2)	CEX-1060	C211
CAPACITOR .5uF 200V (CB-2)		C203,C204
CAPACITOR .47uF 200V FILM (CB-2)	CZX-4741	C203,C204 (BRD)
CAPACITOR 10uF 50V AXIAL (CB-2)	CEX-1061	C210
CAPACITOR 1000uF 16V AXIAL (CB-2)	CEX-1020-C	C202
CAPACITOR 1000uF 25V (CB-2)		C201
CAPACITOR 1000uF 16V AXIAL (CB-2)	CEX-1020-C	C201 (BRD)
CAPACITOR 500uF 50V AXIAL (CB-2) (Use 470uf/50v)	CEX-4772	C208
CAPACITOR 50uF 50V AXIAL (CB-2)		C209
CAPACITOR 47uF 50V AXIAL (CB-2)		C209 (BRD)
CAPACITOR 30uF 2.5KV OIL FILLED (PWR SUPPLY)		C24 (OR C41)
CAPACITOR .001uF 500V DISC	CKD-1020	
CAPACITOR .002uF 500V DISC		C8,C30-C32
CAPACITOR .0022uF 1KV DISC	CDX-2020	C8,C30-C32(BRD)
CAPACITOR .001uF 5KV DOORKNOB (PWR SUPPLY)	CDX-1020	C12,C13
CAPACITOR .005uF 3KV		C14,C15
CAPACITOR .02uF 500V DISC		C1,C2,C3,C4
CAPACITOR .01uF 50V DISC	CKD-1030	C5-C7,C9,C37-C39
CAPACITOR .002uF 3KV DISC	CDX-2022	
CAPACITOR 2300pF 500V FEEDTHROUGH		C10,C11,C6-C22
CAPACITOR 1000pF 5KV DOORKNOB (RF SECTION)	CDX-1020	C12,C13
CAPACITOR 100pF 5KV XMIT	CDX-1010	C23
CAPACITOR 40pF 5KV XMIT		C24
CAPACITOR 10pF 5KV DOORKNOB XMIT	CDX-1000	C25
CAPACITOR 330pF 5KV XMIT		C33
CAPACITOR 1000pF 5KV IN SERIES WITH 500pF 5KV		C33(BRD)
CAPACITOR 500pF 5KV	CDX-5010	
CAPACITOR 5pF 1KV DISC		C34
CAPACITOR 270pF 500V MICA	CMX-2710-A	C35
CAPACITOR 7-100pF TRIMMER (RF OUTPUT)		C36
CAPACITOR 16-100pF TRIMMER ARCO 423 (RF OUTPUT)	CVX-1010	C36(BRD)
CAPACITOR 50-100pF 5KV XMIT		C40
CAPACITOR 20-200pF 1.5KV AIR VAR. (32 APL 205 DE)	CTX-2011	C27-C29
CAPACITOR 10-75pF 1.5KV AIR VAR.		C30,C31
CAPACITOR 15-170pF 3KV (TUNE)		C26
CAPACITOR 20-500pF 2KV (LOAD)		C32
CONNECTOR 22 PIN	JFX-X112	
DIODE 1N4148 (1N914)	DRX-X107	D7-D10
DIODE 1N4004	DRX-X102	D1,D2,D3,D201-D204,D206-D221
DIODE MR504 400PIV 3A		D4,D205
DIODE LED RED MLED-650	DLX-X102	D5
DIODE LED GREEN MLED-750	DLX-X122	D6
DIODE HV RECTIFIER 3KV PIV (RCC1733)	DRX-X105	D101-D104
DIODE ZENER 1N4733 5.1V 1W	DZX-X101	D222
DIODE ZENER 1N4746A 18V 1W	DZX-X103	D223-D225
DIODE ZENER 1N5369 51V 5W		D105
DIODE ZENER 1N4757 51V 1W	DZX-X104	D105(BRD)
FUSE 10A 250V CERAMIC	FSX-X113	F1,F2
HEATSINK 5 FIN (FOR MC7824)	MHS-X003	
HEATSINK 3 FIN (FOR MJ340)	MHS-X004	
INDUCTOR (PLATE CHOKE) 100uH	ACX-X118	L2
INDUCTOR 15uH 1A	LCX-X102	L1,L3,L201
INDUCTOR 1-2.5mH		L4
INDUCTOR (OUTPUT WATTMETER) 1mH		L13
INDUCTOR (PARASITIC CHOKE) 3 TURNS, 100 OHM 2W		L10-L12
INDUCTOR 100uH		L201

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INDUCTOR (TOROID) 19T, 3 CORE, # 12 WIRE (RF SECT)		L5
INDUCTOR (TOROID) 8T, 1 CORE, #12 WIRE (RF SECT)		L6
INDUCTOR 5T, AIR CORE, 7/16" ID, 1/2"L (RF SECT)		L7
INDUCTOR 6T, AIR CORE, 3/4" ID, 1"L (RF SECT)		L8
INDUCTOR 1mH (RF SECT)		L9
INDUCTOR (TOROID) RF OUTPUT		T3
INDUCTOR (TOROID) IN. MATCH. XFMR	ACX-X133	T2
INDUCTOR (TANK COIL)	ACX-X115	L4
MANUAL 374	ZMX-X374	
METER MULTIMETER		M1
RELAY MAIN POWER ALLIED CONTROL BOT6D	KDX-X113	K1
RELAY STEP-START ALLIED CONTROL BOT6D	KDX-X113	K2
RELAY CW/SSB POTTER & BRUMFIELD KUP14D55 24V	KDX-X114	K3
RELAY T/R ALLIED CONTROL BOT6D	KDX-X113	K4
RELAY PLATE OVERCURRENT 1A24AH 24V	KXX-X102	K201
RELAY GRID OVERCURRENT 24V	KXX-X102	K202
RELAY DELAY (WARM-UP) 5V	KXX-X101	K203
RESISTOR 100 OHM 2W	RFC-E101-C	R7-R9
RESISTOR 100 OHM 10W		R10
RESISTOR 470 OHM 2W (5 IN PARALLEL)	RFC-E470-D	R10(BRD)
RESISTOR 2.2K OHM 1W	RFC-D222-D	R11
RESISTOR 22 OHM 1/2W	RFC-C220-C	R12,R13
RESISTOR 470 OHM 2W	RFC-E471-D	R236
RESISTOR 2.7K OHM 1/4W 5%	RFF-B272-C	R239
RESISTOR 150 OHM 1W	RFC-D151-C	R235
RESISTOR 8.2MEG OHM 1W	RFC-D821-D	R228,R229,R231
RESISTOR 470 OHM 1/4W 5%	RFF-B471-C	R203,R226,R232
RESISTOR 270 OHM 1/4W 5%	RFF-B271-C	R237
RESISTOR 100 OHM 1/4W 5%	RFF-B101-C	R223,R227
RESISTOR 10K OHM		R208,R225,R230
RESISTOR 100K OHM 1/4W 5%	RFF-B104-C	R208(BRD),R211
RESISTOR 12K OHM 1/4W 5%	RFF-B123-C	R225,R230(BRD)
RESISTOR 680 OHM 2W	RFC-E681-D	R234
RESISTOR 1K OHM 1/4W 5%	RFF-B102-C	R213,R216,R220,R221,R224
RESISTOR 100 OHM VARIABLE (ALC)		R219
RESISTOR 4.7 OHM 1/4W 5%	RFF-B47A-C	R217
RESISTOR 47K OHM 1/4W 5%	RFF-B473-C	R212
RESISTOR 2.7K OHM 1/4W 5%	RFF-B272-C	R206,R214
RESISTOR 4.7K OHM 1/4W 5%	RFF-B472-C	R207,R209
RESISTOR 7.5K OHM 1/4W 5%		R204,R205
RESISTOR 1.5K OHM 1/4W 5% (ACROSS K201)	RFF-B152-C	R240
RESISTOR 5 OHM 5W WIREWOUND	RFW-H50A	R201,R202
RESISTOR 700 OHM 8W WIREWOUND	RFW-L701	R1
RESISTOR 250 OHM 10/12W WIREWOUND		R2
RESISTOR 10 OHM 12W WIREWOUND	RFW-N100	R3,R4
RESISTOR 25 OHM 25W WIREWOUND	RFW-R250	R5
RESISTOR 240 OHM 2W	RFC-E241-C	R6
RESISTOR 220K OHM 2W	RFC-E224-C	R101-R105
RESISTOR 1MEG OHM 1% RN65D	RFC-C1004-A	R106-R108
RESISTOR 12K OHM 1/4W	RFF-B123-C	R109
RESISTOR 3.3K OHM 2W	RFC-E332-D	R110
SWITCH ON/OFF MOMENTARY		S1
SWITCH CW/SSB		S2
SWITCH 6 PUSHBUTTON ASSEMBLY (65061K 206)		S3
Switchcraft #65061K-206 is Newark # 22F139		
SWITCH STBY/OPR		S4
SWITCH MICROSWITCH (LID INTERLOCK)	SIX-X103	S5
SWITCH BANDSWITCH		S5
SWITCH BANDSWITCH WAFER	SWX-X107	S5A-B-C-D
TRANSFORMER (NOT THE SAME AS 374A,78,76A)		T1
TRANSISTOR 2N5826		Q201,Q203-Q208
TRANSISTOR MJE340		Q202
TRANSISTOR MPF122		Q209
TRANSISTOR MC7824 LV REG.	QTX-X107	IC1
TUBE 8874 (3CX400A7) EIMAC	VTX-X102	V1,V2,V3