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### PTO SPECIFICATION DATA

The following is a specification listing of 51 Collins PTOs. The list is current as of April 1, 1958 and was compiled by Les Fuhrman of Collins.

TYPE	PART NO.	EQUIP	FIL.	B+	OVEN	FREQUENCY	TURNS	LOAD	OUTPUT VOLTAGE
70E-1	502 1206 003	ARC/2	12.6	250	NO	1.0 to 1.5MHz 1.0 to 1.508330+	10T		15V to 30V
70E-2	502 0962 003	51H ARR/15	12.6	250	NO	2.0 to 3.0MHz	10T		9V to 25V
70E-3	502 0879 003	51H	12.6	250	NO	450 to 550KHz	5T		5V to 7V
70E-7A	503 5047 003	75A-1	6.3	250	NO	2.0 to 3.0MHz	10T	30mmfd	2V to 3.5V
70E-8A	503 5049 003	310B	6.3	250	NO	1.6 to 2.0MHz	16T	33mmfd	5.5v
70E-8B	503 0022 003	310C	6.3	250	NO	1.6 to 2.0MHz	16T	33mmfd	5.5v
70E-8C	503 0022 003	32V	6.3	250	NO	1.6 to 2.0MHz	16T	33mmfd	5.5v
70E-10	503 9550 003	708-A	6.3	250	NO	600 to 800KHz	10T	25mmfd	9V to 15V
70E-11	503 9558 003	708-A	6.3	250	NO	1.0 to 1.5MHz	10T		15V to 30V
70E-12	504 6567 004	75A-2 75A-3	6.3	150	NO	1.955 to 2.955MHz	10T	15mmfd	0.5 to 2.0V
70E-14	505 1244 004	KW-1	6.3	210	NO	1.6 to 2.00MHz 1.6 to 2.05MHz	16T 18T		

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70E-15	C505 0411 024 M505 0411 024	51J 1234	6.3 6.3	150 150	NO NO	2.0 to 3.0MHz 2.0 to 3.0MHz	10T 10T	100mmfd 100mmfd	1.2 to2.5V 1.2 to2.5V
70E-18	505 1413 004	R-392	26	26	NO	2.455 to 3.455MHz	10T		1.5 to 2.2V
70E-20	522 0050 004		6.3 600ma	210 30ma	NO	1.650 to 2.050MHz	16T	1.82MHz 39mmfd	8 to 10V
70E-21 70E-21 70E-21	522 0073 003 M522 0073 013 C522 0073 023	708A-3	6.3	250	NO	300 to 400KHz	10T	35mmfd	17 to 22V
70E-22	522 0316 004	ARC/38	6.3	150	26V	1.75 to 3.5MHz	10T	#1 27K on osc #2 27K + 30mmfd 6V Use with 147A-1 in ARC/38 SMO	
70E-23	522 0164 005	KWS-1	6.3	210	NO	2.75 to 3.75MHz	10T	100K + 30mmfd 4V	
70E-24	522 0014 005	75A-4	6.3	150	NO	1.955 TO 2.955MHz	10T	15mmfd	6V
70E-25	522 0200 005	708B-1	12.6	210	NO	2.0 to 4.0MHz Reactor -0 to 10ma 6ma nominal	10T	330 in series uhy par. with 50mmfd 2.5V to 5.5V	
M E-25 70E-29A	522 1092 005	478R-1 Spec Analyzer	12.6	210	NO	2.0 to 4.0MHz	10T	4700 ohm 6.0 to No React. 8.0V	
70H-1	522 0062 004	R-389	6.3 600ma	180 10ma	26V 2A	459 to 980KHz	51T	10k ohms from B+ to center of coax .55V rms	

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70H-2	505 9760 004	R-390	6.3	180	28V	2.455 to 3.455MHz	10T	1000 ohm 1.7V	
70H-3	506 2725 003	T-195	12.6	150	28V	1.5 to 3.0MHz	10T	5V - 1.5MHz 4.5V - 3MHz	
70H-4	522 0067 004	FSK AFC	25.2	180	NO	1.5 to 3.0MHz	10T	4V @ 3MHz 7.5 @ 1.5MHz	
70H-5	522 0323 003	R-648 ARR/41	6.3	150 5ma	28V 2A	2.5 to 3.5MHz	10T	Pin A 10k to gnd Pin E 39k par. with 51mmfd to gnd. 2.5V @ 3MHz	
70H-6	522 0585 004	T-474 URC/8 xmittr	6.3	160	116 VAC	2.0 to 4.0MHz	10T	33k res. 2.5 to 6V	
70H-7	522 1055 004	GRA/22	6.3 500ma	210 15ma	115 VAC	350 to 450MHz	10T	Freed low pass filter 673 048109 plus 20mmfd shunt 2.0 to 2.5V	
70H-8	522 1056 004	GRA/32	12.6 300ma	210 10ma	115 250ma	2.0 to 4.0MHz	10T	330 ohm in series with 8.2 uhy ok par. with 50mmfd 2.0 to 2.5V	
70H-9	522 0112 003	none	6.3	150 12ma	28	1.5 to 3.0MHz	10T	open 5V	
70H-10	522 0681 004	R-627 URC/8	6.3	210	115 VAC	2.580 to 4.58MHz	16T	Tuned 4.0 to 5.0V circuit	

TYPE	PART NO.	EQUIP	FIL.	B+	OVEN	FREQUENCY	TURNS	LOAD	OUTPUT VOLTAGE
70H-12	522 0248 004	R-390A	6.3	180 150	26 2A	2.455 to 3.455MHz	10T	1000 ohm 1.7V "0" db each end J+K oven gnd F - gnd	
70H-13	522 0617 004	Birdcl ARC/58 KWT-6 OV-465	6.3 300ma	130 16ma	115 380ma	2.0 to 4.0	10T	Res. NLT 1.3V Load to pin A. 1.6V Requires 0-10ma dual reactor supply	
70H-13A	522 1768 004	R-761 18-Z	6.3 300ma	130 16ma	115 280ma	2.0 to 4.0MHz	10T	Same as H-13 except no reactor, uses Zener diode & vari cap. Requires +28V	
KO(MIL)	543 0420 004 545 3047 004	Birdcl ARC-58	6.3 150ma	130 3ma	NO	549 to 645KHz	1T	#1 47K ohm par. with 24mmfd	
CIO	543 5168 004 545 3051 004	R-761 CV-465 Comm 18-Z	6.3 150ma	130 3ma	NO	4 KHz steps	25 pos	1.0 to 1.4V use with H-13 or H-13A. #2 22k ohm par. with 18mmfd	
MIO	542 5720 003	KWT-6 URC-32	6.3 150ma	130V 3ma	NO	540 to 650KHz 4 KHz steps	1T 25 pos	#1 47k ohm par. with 24mmfd #2 22k ohm par. with 18mmfd 1.0 to 1.4 use with H-13 or H-13A in KWT-6 SMO	
147A-1	522 0315 004	ARC/38	6.3	110	NO	200 to 300KHz	12.5	RF input 7.0V nom.	
70J-1	505 9204 004	R-390 BFO tank only	6.3	180	NO	455KHz 3.1 to 4.4	163 deg	Open 17v min.	

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70J-2	506 1207 004	R-392 BFO tank only		26	NO	455KHz		1.24V min.	
70J-3	522 0196 004	R-390A BFO tank only	6.3	180	NO	455KHz 2.4 to 3.6	126 deg	Open 15V min.	
70K-1	522 0874 00	KWM-1	6.3 300ma	200 6ma	NO	3.455 to 3.545KHz	1T	22mmfd 2V +/- .5V	
70K-2	522 1093 00	32S-1 75S-1 KWM-2	6.3 300ma	130 6ma	NO	2.5 to 2.7KHz	2T	100 ohm 3V +/- .05V	
70K-3		50S-1 618-T		18	NO	2.5 to 2.7KHz	10T	200 ohm 1.0V to 1.5 AFC 8V nom. shift 6 to 10KHz/volt +/-	
BFO 250KHz	540 4060 00	32W-1	6.3	250	NO	247KHz +/- 10KHz	180 deg	Tank only	
BFO FSK	540 2789 003	618S-1 706R-2	12.6 300ma	150	28 1A	BFO 250 to 250.850 FSK 246.8 to 264.4KHz		1.75 to 2.5V react. freq shift 0-10 ma	
300KHz	545 3124 00	KWT-6 URC-32	NO	28V	NO	300KHz	180 deg	transistor	
455KHz	540 4055 00	75A-4 BFO tank only	6.3	170	NO	455KHz 452 to 458KHz	100 deg		
500KHz	505 2122 002	51-J BFO tank only			no	500KHz	180 deg		