

TTL-2 PARTS. NOTES

RESISTORS

R-1. 3000 5%	22. 30 5%	43. 33K 1W	64. 10 Meg pot	85. 100K
2. 4300 5%	23. 27 5%	44. 33K 1W	65. 270K	86. 470K
3. 3.3K	24. 10 meg	45. 620K 5%	86. 4.7 meg	87. 470K
4. 220	25. 10 meg	46. 620K 5%	67. 330K	88. 6.8 meg
5. 330K	26. 220	47. 3.3 meg 5%	68. 10 meg	89. 2.7 meg
6. 470K	27. 220	48. 3.3mg 5%	69. 10 meg pot	90. 10 meg
7. 10K 2W	28. 300K 5%	49. 3.3K	70. 470K	91. 150K
8. 270	29. 50K pot*	50. 1.0 meg	71. 470K	92. 220K 2W
9. 330K	30. 300K 5%	51. 470K	72. 4700	93. 150K
10. 470K	31. 330K	52. 4.7 meg	73. 470K	94. 1.0 meg
11. 10K 2W	32. 330K	53. 27K 2W	74. 2.2 meg	95. 470k
12. 100K 1W	33. 1.5K 5%	54. 2500 pot 2W	75. 150K	96. 470K
13. 220	34. 1K pot 2W	55. 1.0 meg	76. 10.0 meg	97. 1.5 meg
14. 180K	35. 30 K 5% 2W	56. 820K	77. 1.0 meg	98. 22 meg
15. 50 K pot*	36. 47K	57. 470K	78. 68K	99. 1K 1W
16. 330K	37. 62K	58. 2.7K 1W	79. 270K 1W	100. 1.5K 1W
17. 120 5%	38. 82K	59. 25K pot 4W	80. 2.2 meg	101. 1.0 meg
18, 1505%	39. 22K	60. 1250 20W	81. 2.2 meg	102. 6.8mg
19. 560K	40. 27K	61. 22 ohm 31	82. 150K 2W	103. 100K 2W
20. 500K pot*	41. 33K	62. 1500 20W	83. 39K	104. 39K
21. 560K	42. 33K 2W	63. 3000 201	84. 100K 2W	

CAPACITORS

C 1. .02	11. .01	21. .004	31. .056	41. 80@250V
2. .015	12. .0056	22. .05	32. .042	42. .01 1.4KV
3. .015	13. .056	23. .005	33. .12	43. .01 1.4 KV
4. .01	14. .5	24. 10@25V	34. .01	44. 40@350V
5. .015	15. .1	25. 10@25V	35. .073	45. 40@350V
6. .015	16. .06	26. .002	36. .05	46. 100 pfd
7. .02	17. .004	27. .002	37. .05	47. 200 pfd
8. .015	18. .03	28. .002	38. .5	48. 2.0 Mfd
9. .05	19. .004	29. .002	39. .5	49. .25
10. .047	20. .06	30. .068	40. 100 pfd	50. 1.0
				51. .01

NOTES

All resistors are 1/2 watt, 10% unless otherwise noted. Potentiometer located on board are R-15 and R-19, Mallory MTC 54L1 Newark #60F2204. R-20 is MTC 55L1 Newark #60F2211

All Capacitors are 200 V. Sprague Mylar 220P except the following:

C-24, 25, 41, 44 and 45 are electrolytic;
C-42, 43 are .01, 1.4KV ceramic
Type 220P-400V: C-2,3,4,5,6,8,10,13,18,51.
Type 220P-600V: C-12,16,17,19,20,21,23,26,27,28,29.

Type 225P-75V: C-33

Type 225P-100V: C-30,31.

Silvered Mica: C-40,46,47.

C-32 is .04 400V C-35 .075 400V

C-48 is 2.0 mfd CDE #WMF2W2 200 Volt

C-50 is 2 ea. .5, 200V Type 220P

RECOMMENDED DRILL SIZES

Half-watt resistors and all capacitors (except C-50 .039 in. #60

Potentiometers and C-50 .055 or #60 or #54. All tube sockets except 6W6, .060, #53 best, or 1/16: -6W6 socket, .093, best #42, 3/32 possible
One watt and two watt resistors, .045, #56.

Long lines are Wire jumpers

Take care to drill exact centers

CAUTION: DO NOT USE OVER-SIZE DRILLS

On schematic, disconnect fil. center tap from gnd. on T4 gnd. one side of fil. winding

See April '68 RTTY Mag for layout suggestions

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