

OCT 22 1948

RADIO MANUFACTURERS ASSOCIATION

SUITE 701-4 AMERICAN BUILDING
1317 F STREET, N.W.
WASHINGTON, D. C.



R.M.A. DATA BUREAU
90 West Street
New York, N. Y.

L. L. A.
REGISTRATION
FILE

Release No. 703

October 19, 1948

To
Tube Engineers:

Registration has been made by the RMA
Data Bureau of the vacuum tube type designations

3J21	(	Registration No.	1545)
4J21	{	"	1546}
4J22	{	"	1547}
4J23	{	"	1548}
4J24	{	"	1549}
4J25	{	"	1550}
4J26	{	"	1551}
4J27	{	"	1552}
4J28	{	"	1553}
4J29	{	"	1554}
4J30	{	"	1555}
4J52	{	"	1556}
5J21	{	"	1557}
5J22	{	"	1558}
5J23	{	"	1559}
5J24	{	"	1560}
5J25	{	"	1561}
5J26	{	"	1562}

as defined by the characteristics and ratings given in
the attached data on application of

Western Electric Company
New York, N. Y.

Respectfully yours,

RMA DATA BUREAU

By

LCFHorle/cap
Enc.

WESTERN ELECTRIC 3J21 ELECTRON TUBE

TYPE DESIGNATION REGISTRATION

Reservation No.: 5222 Manufacturers Designation: 1456
Reservation Date: 10/2/44 Data Bureau Designation: 3J21

U.H.F. MAGNETRON - PACKAGED TYPE

Electrical Data - General

Heater Voltage	12.6 volts
Heater Current	1.6 amperes
Cathode Heating Time	3 minutes
Frequency	23,746-24,226 megacycles
Frequency Pulling (max.)	18 megacycles
Frequency Change with Anode Temperature (max.)	0.45 megacycle per degree C

Mechanical Data - See Outline Drawing

Maximum Ratings, Absolute Values

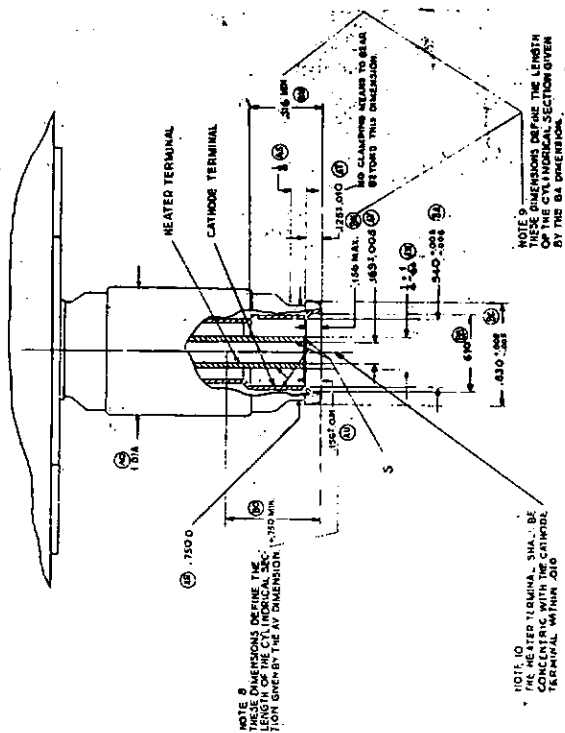
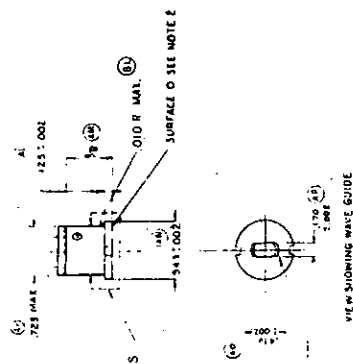
Peak Anode Voltage	15	16 kilovolts
Peak Anode Current	10	16 amperes
Peak Power Input	150	225 kilowatts
Average Power Input	150	110 watts
Duty Cycle	.001	.0006
Pulse Duration	0.55	0.55 microseconds
Anode Temperature	150°	150° Centigrade
Operation Time in 100 Microsecond Interval	0.6	0.6 microsecond

Typical Operation

Heater Voltage *		
Magnetic Field	Integral Magnet	
Peak Anode Voltage	15	15 kilovolts
Peak Anode Current	15	15 amperes
Pulse Repetition Rate	1000	2000 pulses/second
Pulse Duration	0.5	0.25 microseconds
Peak Power Output	60	60 kilowatts
Maximum R.F. Bandwidth	6	12 megacycles

*During high voltage operation the heater voltage must be reduced so that the cathode operates at approximately 820°C.

Note: This sheet does not imply commercial availability of the tube.



ENLARGED VIEW OF INPUT

NOTE 9
THESE DIMENSIONS DEFINE THE LENGTH
OF THE CYLINDRICAL SECTION GIVEN
BY THE RA DIMENSIONS.

NOTE: DO NOT HEATER TERMINAL SHALL BE CONCENTRIC WITH THE CATHODE TERMINAL WITHIN .010

NOTE 1: ALL METAL SURFACES COVERED BY BLACK FINISH EXCEPT THOSE MARKED S AND Q WHICH SHALL BE STAINLESS ADJUSTABLE PLATED

SHALL BE SILVER OR WHITE PLATES
CONNECTIONS CAN BE MADE TO SURFACES Q

NOTE 3: THE AXIS OF THE CATODE-TERMINAL SHALL BE WITHIN A RADIUS OF 3/64

OF THE SPECIFIED LOCATION LIMIT INCLUDES ANGULAR DEVIATION.

NOTE 4: THIS SURFACE SHALL BE COPLANAR WITH REFERENCE PLANE WITHIN .01".

THE DIRECTION OF A PLANT SURFACE. A 300 THICKNESS GAUGE.

1 8 WIDE SHALL NOT ENTER.

NOTE 6: DIMENSIONS WITHOUT LIMITS ARE FOR EQUIPMENT DESIGN PURPOSES ONLY, AND NEED NOT BE CHECKED.

NOTE 12: ON GOVERNMENT ORDERS THE INITIAL ISSUE OF THIS DRAWING AND ALL SUBSEQUENT REVISIONS ARE SUBJECT TO APPROVAL BY THE SERVICES

NOTE 13: THE OPENING IN THE WAVEGUIDE SHALL BE ENCLOSED BY DUST COVER WHEN TUBE IS NOT.

WESTERN ELECTRIC 4J21 to 4J25 ELECTRON TUBES

TYPE DESIGNATION REGISTRATION

Reservation Nos.: 5077 to 5081 Manufacturers Designation: 1402M
Reservation Date: 7/2/43 Data Bureau Designation: 4J21 to 4J25

U.H.F. MAGNETRONS

Electrical Data - General

Heater Voltage	20.5 volts
Heater Current	2.2 amperes
Cathode Heating Time	3 minutes
Frequency	4J21 = 1336-1350 megacycles
	4J22 = 1322-1336 megacycles
	4J23 = 1308-1322 megacycles
	4J24 = 1294-1308 megacycles
	4J25 = 1280-1294 megacycles
Frequency Pulling (Max.)	6.0 megacycles
Frequency Change with Anode Temperature (Max.)	.03 megacycles per degree C

Mechanical Data - See Outlint Drawing

Maximum Ratings, Absolute Values

Peak Anode Voltage	30 kilovolts
Peak Anode Current	60 amperes
Peak Power Input	1500 kilowatts
Average Power Input	1500 watts
Duty Cycle	0.002
Pulse Duration	6.0 microseconds
Anode Temperature	100° Centigrade
Operation Time in 100 Microsecond Interval	8 microseconds

Typical Operation

Heater Voltage *	
Magnetic Field	1400 gauss
Peak Anode Voltage	26.5 kilovolts
Peak Anode Current	48 amperes
Pulse Repetition Rate	200 pulses/second
Pulse Duration	5 microseconds
Peak Power Output	640 kilowatts
Maximum R.F. Bandwidth	4 megacycles

* During high voltage operation, the heater voltage must be reduced so that the cathode operates at approximately 820°C.

Note: This sheet does not imply commercial availability of the tube.

NOTE: THE CONCENTRICITY OF THESE DIMENSIONS WITH RESPECT TO EACH OTHER SHALL BE CONSIDERED SATISFIED IF THEY MEET THE FOLLOWING CONDITIONS: CONCENTRIC TUB AND PUMP MEASURING 2.315" I.D., 1.924" O.D. X 1.600" I.D. AND .530 O.D. MUST PASS FREELY INTO OR OVER THESE PARTS TO THE DISTANCES INDICATED. IN NOTES 2 AND 5.

-REFERENCE: PLANE FOR ELECTRICAL TESTS

0:17... THE
1.226... X 1.000...
FUE IN NOT 1...
PENETRATE.

NOTE 3: A-4 MUST BE CAPABLE OF BEING
70-55 A-4
INCRESED BETWEEN TWO COLLATERAL PLANES
3,540 A-4, WHICH ARE EQUIDISTANT
FROM THE AXIS OF A 2,315-DIA. TUBE.
THE LOCATION OF THE SUPPORT TUBING IS INSERIED
1-10
THE LOCATING PIN MUST FALL BETWEEN
PARALLEL PLATES 150 APART EQUIDISTANT
FROM THE Y AXIS AND NORMAL TO THE
ABOVE NOTED PLATES 3,540 APART.

NOTE 4
THE CONE TENSILE SHALL BE CAPABLE OF
ACCEPTING A CONE HAVING A 60° INCLUDED
ANGLE AND A BASE DIAMETER OF .234
IN. SHALL REJECT A SIMILAR CONE
HAVING A BASE DIAMETER OF .254

NOTE 5
DEPTH TO WHICH THE .530" DIA
PLUG IN HOLE MUST PENETRATE

NOTE 7
OUTCROP OF GRASS MAY
VARY FROM THAT SHOWN
WITHIN LIMITING BOUNDS
OF NOTE.

NOTE D
PROTECTIVE CAP SHALL BE IN PLACE WHEN
TUBE IS NOT IN USE.

12 1/2 MA

CA 92-4FAT;K TKMINA

JACK HOLE\$- .169 L .005 DIA
19/32 DEEL MIN.

HEATH TERMINAL

NOTE 12
ALL NOTES IN THIS AREA
TO HAVE A BLACK FLAME.

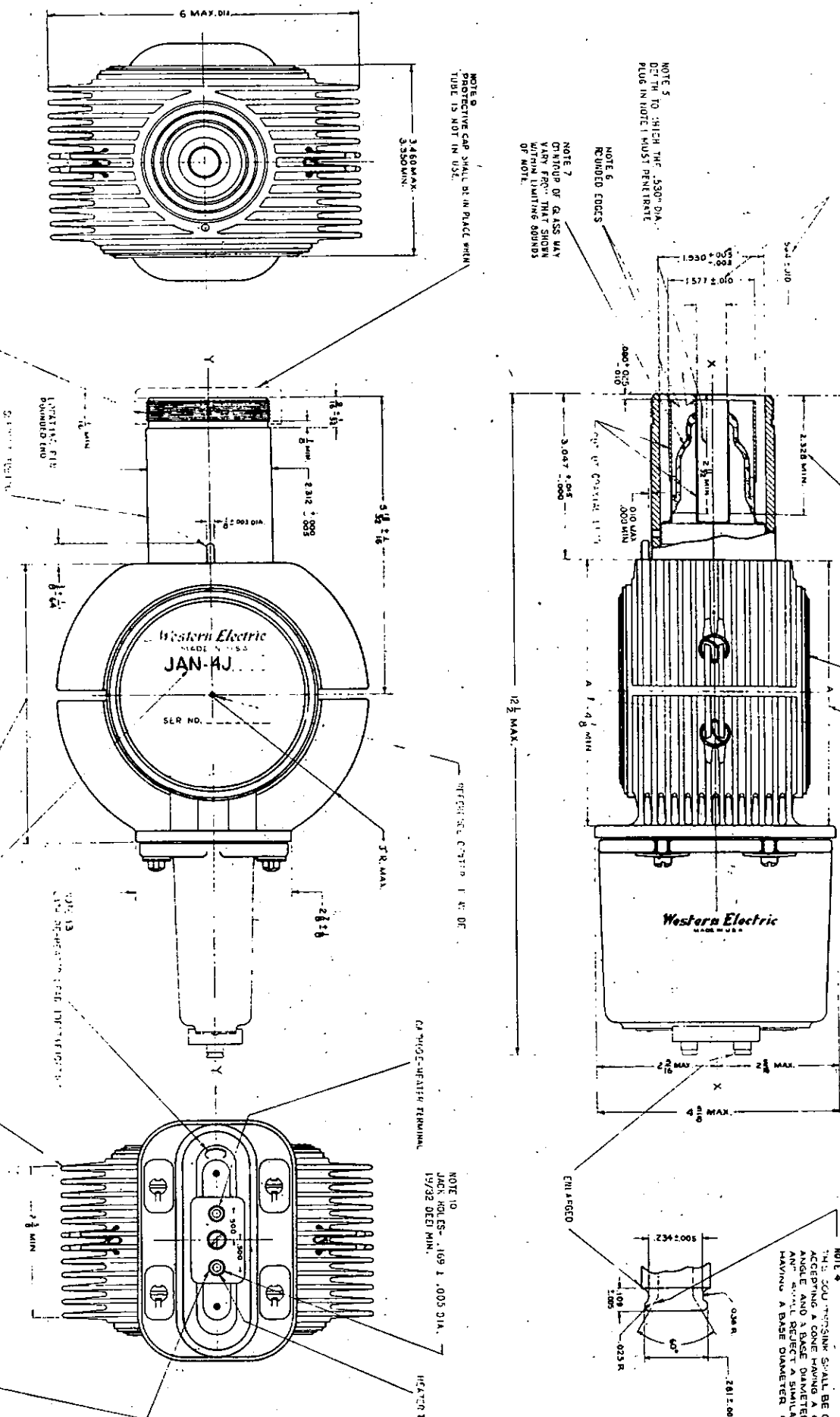
JAN - J 24	CODF NUMBER TO
JAN - J 21	CORRESPOND TO
JAN - J 24	TUBE TYPE.

NOTE 14
RADIATORS
NUMBER OF RADIATOR
FINS MAY VARY

NOTE 16:
THE JACK HOLES SHALL BE WITHIN A
RADIUS OF .250 OF THE SPECIFIED LOCATI
TION BUT SHALL BE SPACED 1.000 J
WITH RESPECT TO EACH OTHER. THE
CENTER LINES OF THE JACK HOLES
SHALL BE PARALLEL TO ONE ANOTHER
WITHIN 3°

NOTE 15
"XX" AND "YY" SHALL BE CONSIDERED AS
AXIS OF SUPPORT.

NOTE II	MAX. VAL. DIA.	-2.3125
2.312"-16 U.S.F.	MIN. VAL. DIA.	-2.2950
THREAD	MAX. PITCH DIA.	-2.2714
3 FULL THREADS MIN	MIN. FITCH DIA.	-2.2525
	MAX. MINOR DIA.	-2.2350



WESTERN ELECTRIC 4J26 to 4J30 ELECTRON TUBES
TYPE DESIGNATION REGISTRATION

Reservation Nos.: 5083 to 5087 Manufacturers Designation: 1402M
Reservation Date: 7/16/43 Data Bureau Designation: 4J26 to 4J30

U.H.F. MAGNETRONS

Electrical Data - General

Heater Voltage	23.5 volts
Heater Current	2.2 amperes
Cathode Heating Time	3 minutes
Frequency	4J26 = 1268-1280 megacycles
	4J27 = 1256-1268 megacycles
	4J28 = 1244-1256 megacycles
	4J29 = 1232-1244 megacycles
	4J30 = 1220-1232 megacycles
Frequency Pulling (Max.)	5.5 megacycles
Frequency Change with Anode Temperature (Max.)	.03 megacycles per degree C

Mechanical Data - See Outline Drawing

Maximum Ratings, Absolute Values

Peak Anode Voltage	30 kilovolts
Peak Anode Current	60 amperes
Peak Power Input	1500 kilowatts
Average Power Input	1500 watts
Duty Cycle	.002
Pulse Duration	6.0 microseconds
Anode Temperature	100° Centigrade
Operation Time in 100 Microsecond Interval	8 microseconds

Typical Operation

Heater Voltage *	
Magnetic Field	1400 gauss
Peak Anode Voltage	27 kilovolts
Peak Anode Current	46 amperes
Pulse Repetition Rate	200 pulses/second
Pulse Duration	5 microseconds
Peak Power Output	700 kilowatts
Maximum R.F. Bandwidth	4 megacycles

* During high voltage operation, the heater voltage must be reduced so that the cathode operates at approximately 820°C.

Note: This sheet does not imply commercial availability of the tube.

WESTERN ELECTRIC 4J52 ELECTRON TUBE

TYPE DESIGNATION REGISTRATION

Reservation No.: 5233 Manufacturers Designation: 1471
Reservation Date: 11/6/44 Data Bureau Designation: 4J52

U.H.F. MAGNETRON - PACKAGED TYPE

Electrical Data - General

Heater Voltage	12.6 volts
Heater Current	2.1 amperes
Cathode Heating Time	4 minutes
Frequency	9345-9405 megacycles
Frequency Pulling (Max.)	15 megacycles
Frequency Change with Anode Temperature (Max.)	.25 megacycles per degree C

Mechanical Data - See Outline Drawing

Maximum Ratings, Absolute Values

Peak Anode Voltage	16	16 kilovolts
Peak Anode Current	20	30 amperes
Peak Power Input *	300	450 kilowatts
Average Power Input	300	450 watts
Duty Cycle	.002	.002
Pulse Duration	6.0	1.2 microseconds
Anode Temperature	150	150° Centigrade
Operation Time in 100 Microsecond Interval	6	6 microseconds

Typical Operation

Heater Voltage **		
Magnetic Field	Integral Magnet	
Peak Anode Voltage	15	15 kilovolts
Peak Anode Current	15	15 amperes
Pulse Repetition Rate	1000	200 pulses/second
Pulse Duration	1	5.5 microseconds
Peak Power Output	100	100 kilowatts
Maximum R.F. Bandwidth	3	3 megacycles

* Tube shall not be operated at maximum peak input power at pressure of less than 60 cm Hg.

** During high voltage operation, the heater voltage must be reduced so that the cathode operates at approximately 820°C.

Note: This sheet does not imply commercial availability of the tube.



REFERENCE PLANE III

SEE NOTE 1
SURFACE D SEE NOTE 2
4 OF WAVE GUIDE

WAVE GUIDE OUTPUT

COOLING FIN

NOTE 1
DIMENSIONS OF THE ASSEMBLY
EXTENDING BELOW THIS
PLATE ARE TO BE MADE
WITHIN A RADIUS OF 1/8
SPECIFIED AXIS OF THE INPUT

INPUT

AXIS OF CATHODE TERMINAL

5. SILVER OR
NICKEL PLATED SURFACE

REFERENCE
PLANE II
37 MAX
1/8 MAX
3/32 MAX

SEE NOTE 28.5

SURFACE D

- NOTE 1. ALL METAL SURFACES COVERED BY BLACK FINISH EXCEPT THOSE MARKED 380.
NOTE 2. DIMENSIONS OF THE CATHODE TERMINAL SHALL BE WITHIN A RADIUS OF 3/64 OF THE
SPECIFIED LOCATION NOTE 9 APPLIES.
NOTE 3. THE LIMITS INCLUDE ANGULAR AS WELL AS LATERAL DEVIATIONS.
NOTE 4. THE LIMITS INCLUDE ANGULAR AS WELL AS LATERAL DEVIATIONS.
NOTE 5. WITHIN 1/16 DIA. DISTANCE ON ANY SURFACE CONCORDANT WITH REFERENCE
PLANE 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.
- NOTE 13. WARNING: MAINTAIN MIN. 2 INCHES BETWEEN THIS MAGNET & MAGNETIC MAT'L'S
(MAGNET, STEEL TOOLS, PLATES, ETC.)
NOTE 14. THE OPENING IN THE WAVEGUIDE SHALL BE ENCLOSED BY A DUST COVER WHEN TUBE
IS NOT IN USE.

CENTRELINE OF WAVE GUIDE

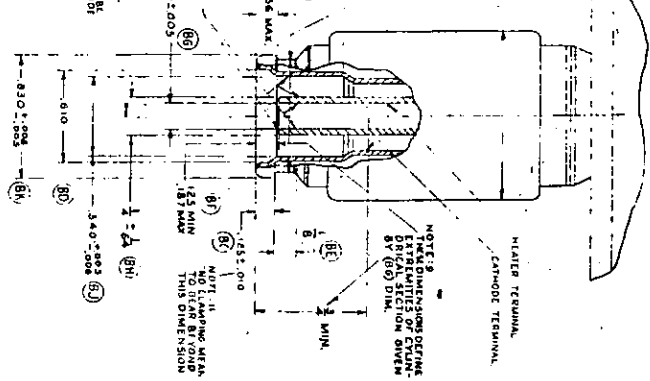
WAVE GUIDE
CATHODE TERMINAL

NOTE 9
EXTENDING BEYOND
THIS SECTION
BY 1/8 DIA.

NOTE 10
DIMENSIONS OF
CATHODE SECTION
UNLESS OTHERWISE
SPECIFIED

NOTE 11
SILVER PLATE OR
NICKEL PLATE
PULL ELECTRODE
PULL CONNECTION

NOTE 12
TERMINAL SHALL BE
CONCENTRIC WITH THE CATHODE
TERMINAL WITHIN .005



WESTERN ELECTRIC 5J21 to 5J25 ELECTRON TUBES

TYPE DESIGNATION REGISTRATION

Reservation Nos.: 5038 to 5042 Manufacturers Designation: 1382M
Reservation Date: 1/22/43 Data Bureau Designation: 5J21 to 5J25

U.H.F. MAGNETRONS

Electrical Data - General

Heater Voltage	20.5 volts
Heater Current	3.4 amperes
Cathode Heating Time	3 minutes
Frequency	5J21 = 1098-1110 megacycles
	5J22 = 1086-1098 megacycles
	5J23 = 1074-1086 megacycles
	5J24 = 1062-1074 megacycles
	5J25 = 1050-1062 megacycles
Frequency Pulling (Max.)	5.5 megacycles
Frequency Change with Anode Temperature (Max.)	.03 megacycles per degree C

Mechanical Data - See Tube Outline

Maximum Ratings, Absolute Values

Peak Anode Voltage	25 kilovolts
Peak Anode Current	30 amperes
Peak Power Input	750 kilowatts
Average Power Input	750 watts
Duty Cycle	.001
Pulse Duration	2.0 microseconds
Anode Temperature	100° Centigrade
Operation Time in 100 Microsecond Interval	5 microseconds

Typical Operation

Heater Voltage *	
Magnetic Field	900 gauss
Peak Anode Voltage	19 kilovolts
Peak Anode Current	24 amperes
Pulse Repetition Rate	1000 pulses/second
Pulse Duration	1.5 microseconds
Peak Power Output	250 kilowatts
Maximum R. F. Bandwidth	4 megacycles

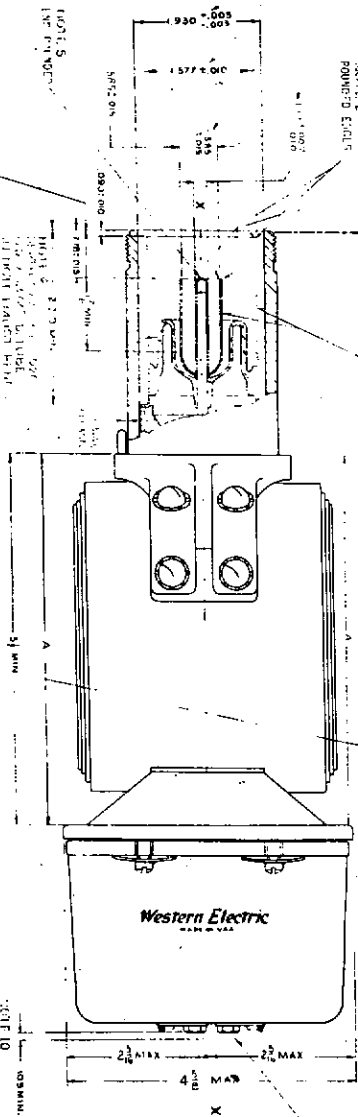
* During high voltage operation, the heater voltage must be reduced so that the cathode operates at approximately 820°C.

Note: This tube is obsolete and manufacturing facilities are no longer available.

Exhibit 10-12

[illegible]

THIS CONTRACTOR SHALL BE CAPABLE OF ACCEPTING A CONE HAVING A 60° INCLUDED ANGLE AND A BASE DIAMETER OF 234 AND SHALL REJECT A SIMILAR CONE HAVING A BASE DIAMETER OF 254.



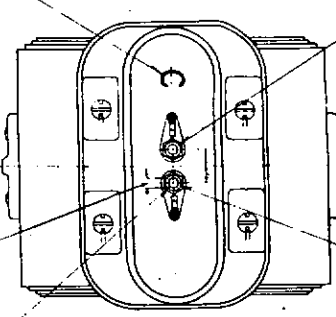
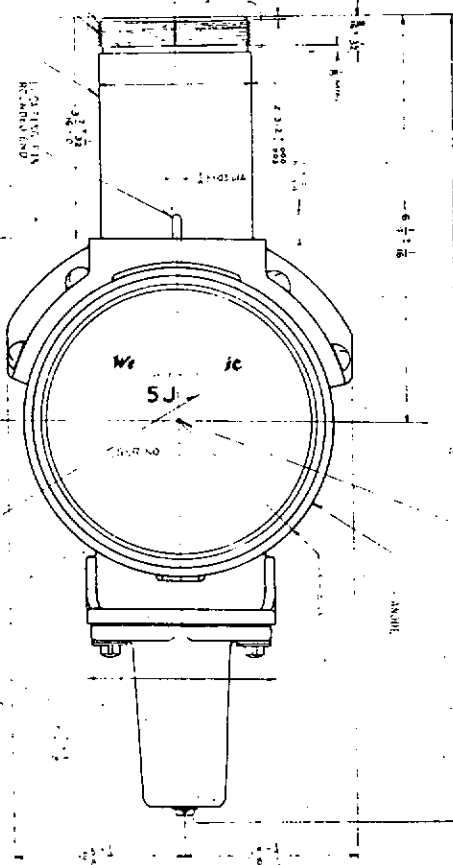
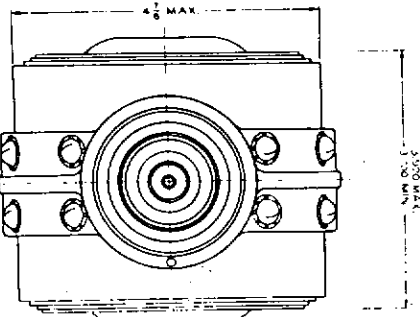
NOTE 15
DEPT. TO WHICH .556 MO. D.
22001.2. TIME 41 02:11
5.5. 1971

NOTE
OF CLARE MPT
...
NOTE

REPORT OF ACT

REF ID: A66101

NOTE 7
PROTECTIVE CAP SHALL
BE IN PLACE WHEN TUG
IS NOT IN USE.



NOTE 21

MAX. WAJ. DIA.	-2.3120
MIS. WAJ. DIA.	-2.2960
MAX. FITCH DIA.	-2.2714
MAX. FITCH DIA.	-2.2529
MAX. MIP03 DIA.	-2.2353

NOTE 12
A 100% yield of the product was obtained.
A 100% yield of the product was obtained.

CODE NUMBER TO
CORRESPOND TO
TUBE TYPE

NOTE 13
THE JACK HOLES SHALL BE WITHIN A
RADIUS OF 250 OF THE CITY CENTER COOR-
DINATE BUT SHALL BE SPACED 500 ± GIVE
WITH RESPECT TO EACH OTHER. THE CENTER
OF THE JACK HOLES SHALL BE WITHIN 50
FEET OF THE CITY CENTER COORDINATE.

WESTERN ELECTRIC 5J26 ELECTRON TUBE
TYPE DESIGNATION REGISTRATION

Reservation No.: 5290 Manufacturers Designation: 1475M
Reservation Date: 3/14/45 Data Bureau Designation: 5J26

U.H.F. MAGNETRON

Electrical Data - General

Heater Voltage	23.5 volts
Heater Current	2.2 amperes
Cathode Heating Time	3 minutes
Frequency	1220-1350 megacycles

Mechanical Data - See Outline Drawing

Maximum Ratings, Absolute Values

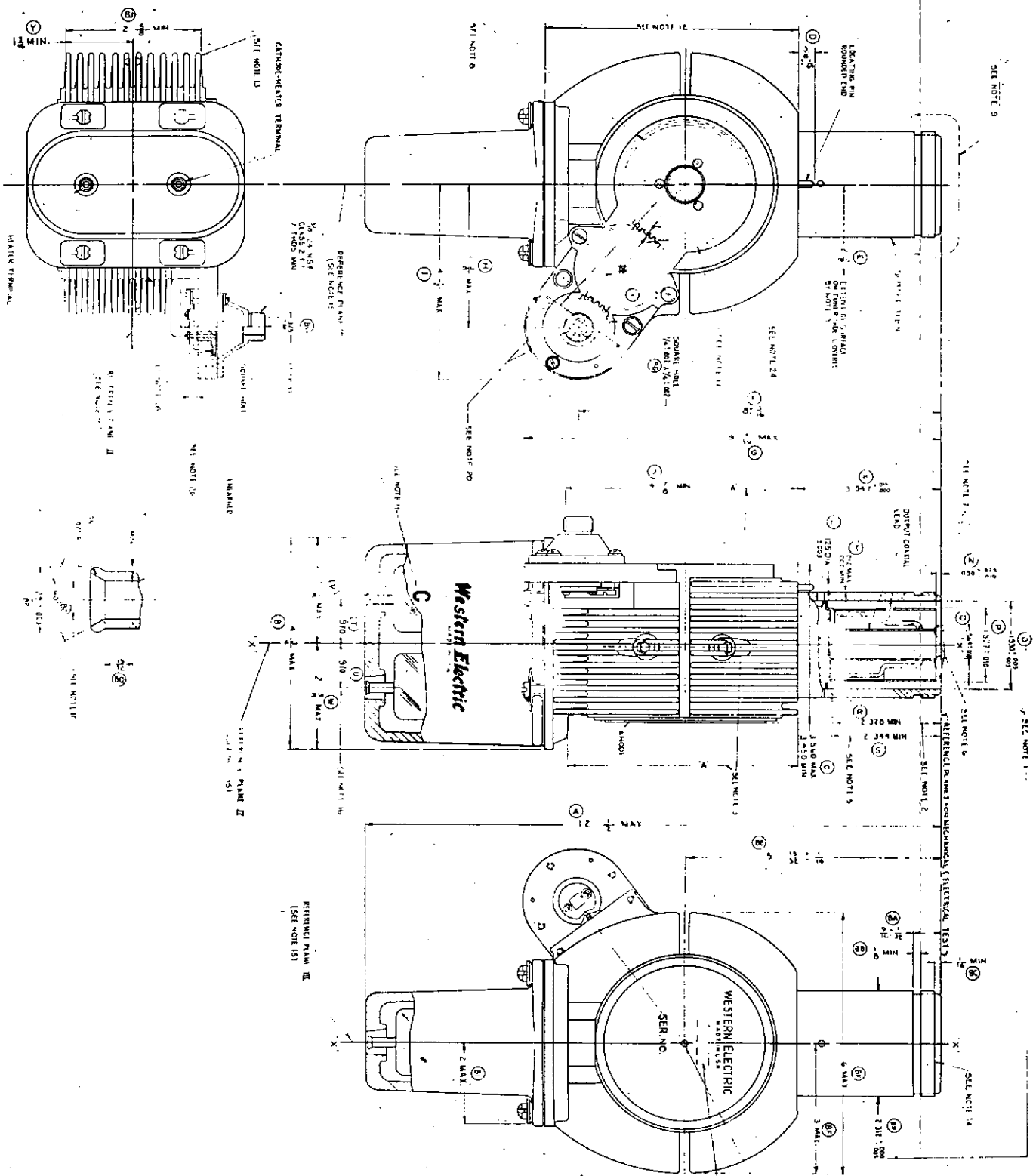
Peak Anode Voltage	31 kilovolts
Peak Anode Current	60 amperes
Peak Power Input	1800 kilowatts
Average Power Input	1800 watts
Duty Cycle	.002
Pulse Duration	6.0 microseconds
Anode Temperature	125° Centigrade
Operation Time in 100 Microsecond Interval	8 microseconds

Typical Operation

Heater Voltage *	
Magnetic Field	1400 gauss
Peak Anode Voltage	27 kilovolts
Peak Anode Current	46 amperes
Pulse Repetition Rate	1000 pulses/second
Pulse Duration	1 microsecond
Peak Power Output	600 kilowatts

* During high voltage operation the heater voltage must be reduced so that the cathode operates at approximately 820°C.

Note: This sheet does not imply
commercaill availability of the tube.



- [illegible]