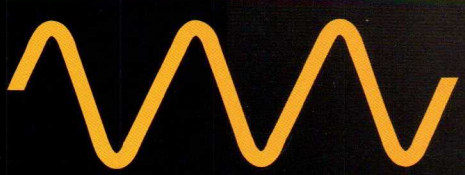
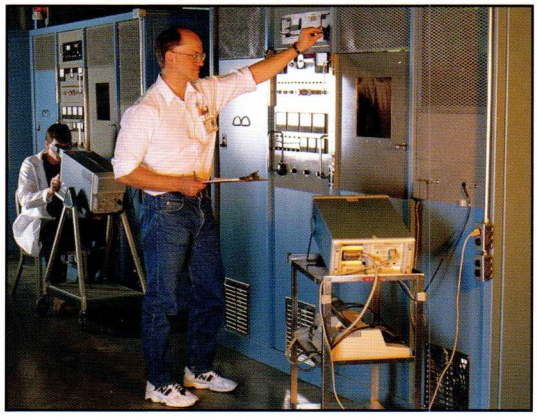
Litton Thyratrons



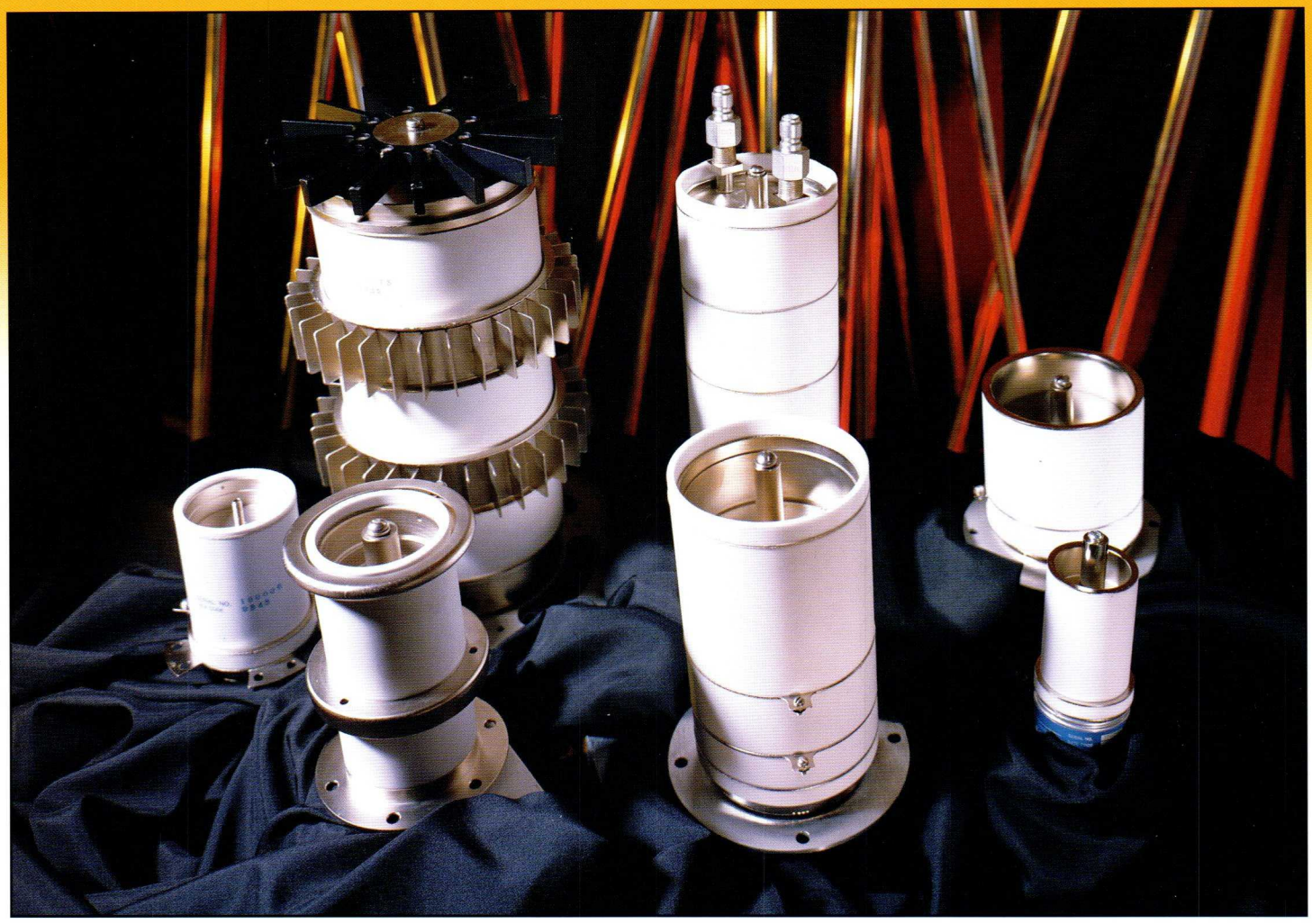
MEDICAL THYRATRONS

TYPE	HIGH VOLTAGE GAPS	PEAK ANODE VOLTAGE kV	PEAK ANODE CURRENT A	AVERAGE ANODE CURRENT Adc	CONTROL GRID DRIVE V/A	CATHODE HEATER Vac/Aac	RESERVOIR HEATER Vac/Aac	CROSS REFERENCE	NOTES
L-4884B	1	16	325	0.25	200/0.4	6.3/11.5	-	8503, 5C22, 8613, CV-2520, CV-6022	5, 9, 14
L-4680	1	25	1000	1.25	600/1.2	6.3/14.5	6.3/6.0	CX-1180	2
L-4696	1	35	1500	2.2	600/1.5	6.3/25.0	6.3/9.5	CX-1559	2, 10
L-4904	1	40	3000	3.0	600/1.2	6.3/22.0	5.0/4.0	CX-1154	2
L-4946	1	33	1000	2.3	600/1.5	6.3/23.0	-	CX-1140, CX-1159, 0133, 0308	2, 5, 9, 10
L-4682	1	40	3000	4.0	1100/1.1	6.3/35.0	4.5/8.0	CX-1528	2
L-4935	2	50	2000	1.5	500/2.5	6.3/22.0	6.3/6.0	0207	1



LASER AND FAST-SWITCHING THYRATRONS

TYPE	HIGH VOLTAGE GAPS	PEAK ANODE VOLTAGE kV	PEAK ANODE CURRENT A	REVERSE ANODE CURRENT A	AVERAGE ANODE CURRENT Adc	CONTROL GRID DRIVE V/A	CATHODE HEATER Vac/Aac	RESERVOIR HEATER Vac/Aac	CROSS REFERENCE	NOTES
L-4915	1	35	7500	-	0.25	500/1.25	6.3/22	6.3/6.0	0211, HY-3003	11
L-4961	1	35	10,000	-	0.25	500/1.25	6.3/22	6.3/6.0	0246	11
L-4965	1	25	1000	-	1.50	500/1.25	6.3/22	6.3/7.0	0280	2
L-4902	1	33	2400	-	4.00	1300/1.80	6.3/25	4.5/10	0117/F-117	2
L-4903	1	33	3000	-	4.00	1300/1.80	6.3/25	4.5/10	0194/F-194	2, 3
L-4905	1	36	10,000	-	1.00	1100/1.50	6.3/25	4.5/10	0269	2, 11
L-4963	3	90	3000	1500	3.00	1000/0.10	6.3/25	5.0/4.0	CX1671D	1, 2, 14
L-4945	2	50	10,000	5000	1.00	200/0.10	6.3/18	6.3/3.0	F229, LS-3229, CX2608	1, 2, 11
L-4935	2	50	10,000	-	1.00	450/0.50	6.3/18	6.3/3.0	F-207	1
L-4992	1	35	15,000	7500	1.00	1500/7.50	6.3/37	6.3/7.0	-	2
L-4991	2	70	15,000	7500	1.00	1500/7.50	6.3/37	6.3/7.0	-	1, 2
L-4971	2	70	15,000	7500	5.00	1500/7.50	6.3/37	6.3/7.0	CX1725	1, 2
L-4906	1	35	20,000	10,000	0.30	500/1.25	6.3/18	6.3/6.0	0205, 0189, HY-3190, LP-189, HY-3202	7, 11



RADAR AND GENERAL PURPOSE THYRATRONS

TYPE	EIA NUMBER	APPLICATION SPECIFICATION	PEAK ANODE VOLTAGE kV	PEAK ANODE CURRENT A	AVERAGE ANODE CURRENT Adc	CONTROL GRID DRIVE V/A	CATHODE HEATER Vac/Aac	RESERVOIR HEATER Vac/Aac	CROSS REFERENCE	NOTES
L-4669	7782	MIL-E-1/1636	12	350	0.2	175/0.06	6.3/7.0	6.3/2.5	HY-6, KU-71	-
L-4665	8765	MIL-E-1/1661	12	350	0.2	175/0.06	6.3/9.5	-	HY-63, KU-71Z, FX2534	5, 9
L-4671	-	A210505	16	350	0.5	150/0.05	6.3/8.5	-	HY-61, 0116, FX2533	5, 9
L-4668	7665A	MIL-E-1/1485	16	350	0.5	200/0.20	6.3/8.0	6.3/4.0	HY-60, 0257	-
L-4676	7665	MIL-3-1/1485	16	350	0.5	200/0.20	6.3/8.0	6.3/4.0	KU-72	-
L-4884	8613	MIL-E-1/1590	16	500	0.5	175/0.18	6.3/11.5	-	HY-1A, FX2522	5, 9
L-4884A	-	5389078	16	500	0.5	175/0.18	6.3/11.5	-	HY-1050	5, 9
L-4884B	5C22	-	16	500	0.5	175/0.18	6.3/35	-	5C22, 6587, 8503	5, 9, 10
L-4896	-	-	16	500	0.5	240/0.24	6.3/9.5	6.3/3.0	FX-2611	-
L-4958	7620	MIL-E-1/1612	20	500	0.5	200/0.20	6.3/7.5	6.3/4.0	HY-10N, HY-14	-
L-4898	-	-	20	500	0.5	175/0.18	6.3/7.5	6.3/4.0	HY-10R, 0261, F-261	-
L-4897	-	-	20	500	0.5	200/0.20	6.3/7.5	6.3/4.0	HY-11T, 0265/F-265, FX2541	-
L-4944A	5948A	MIL-E-1/1099	25	1000	1.0	700/1.75	6.3/22	6.3/6.0	-	10
L-4871	5949A	MIL-E-1/1100	25	1000	1.0	500/1.25	6.3/22	4.5/5.0	F-150, FX-2519	5, 10
L-4960	-	-	25	1000	2.0	500/1.25	6.3/22	6.3/6.0	HY-3055	-
L-4885	7322	MIL-E-1/1371	25	1500	2.2	450/0.56	6.3/22	6.3/6.0	1802	6
L-4885A	8354	MIL-E-1/1426	25	1000	2.2	450/0.56	6.3/18	6.3/6.0	HY-31	6
L-4901	-	-	30	2000	2.0	1100/7.30	6.3/25	4.5/10	CX1670A, 0279	10
L-4886	7390	MIL-E-1/1361	33	2000	4.0	1100/7.30	6.3/25	4.5/10	-	
L-4886A	-	-	35	2000	4.0	1100/7.30	6.3/25	4.5/10	0281	-
L-4886B	8789	MIL-E-1/1658	33	2000	4.0	1100/7.30	6.3/25	4.5/10	-	-
L-4886C	7667	-	33	2400	4.0	1300/9.30	6.3/25	4.5/10	-	
L-4990	7890	9747588	40	2400	4.0	1300/260	6.3/35	4.5/10	GL7890, KU-274, 7866	1, 3
L-4883	8614	713090-18	40	5000	8.0	1300/6.50	6.3/30	4.5/11	HY-5	-
L-4883A	-	7534252	40	5000	8.0	1300/6.50	6.3/30	4.5/11	HY-5G	-

ACCELERATOR THYRATRONS

TYPE	HIGH VOLTAGE GAPS	PEAK ANODE VOLTAGE kV	PEAK ANODE CURRENT A	AVERAGE ANODE CURRENT Adc	CONTROL GRID DRIVE V/A	CATHODE HEATER Vac/Aac	RESERVOIR HEATER Vac/Aac	CROSS REFERENCE	NOTES
L-4980	1	20	350	0.5	200/0.1	6.3/7.5	6.3/1.5	HY-8, CX1157	2
L-4904	1	40	3000	3.0	200/0.1	6.3/25	5.0/7.0	CX1154	2, 4
L-4913	2	70	3000	3.0	200/0.1	6.3/25	5.0/7.0	CX1168	1, 2, 4
L-4963	3	90	3000	3.0	1000/0.1	6.3/25	5.0/7.0	CX1171D	1, 2, 4, 13
L-4986	1	35	10,000	1.5	200/0.1	6.3/24	-	CX1722	2, 9
L-4938	1	35	15,000	12.0	1500/7.5	6.3/70	4.5/20	146	2, 4
L-4888	2	50	6500	7.0	1500/7.5	6.3/70	4.5/20	0241, 8479, F175, CX1536	1, 2, 4
L-4981	2	60	10,000	8.0	1500/7.5	6.3/70	4.5/20	CX1530	1, 2, 4
L-4989	2	50	6500	8.0	1500/7.5	6.3/70	4.5/20	0243	1, 2, 4, 8
L-4977	3	75	20,000	8.0	1500/7.5	6.3/70	4.5/20	0157	1, 2, 4
L-4987	3	75	20,000	8.0	1500/7.5	6.3/70	4.5/20	0187	1, 2, 4, 13
L-4993	4	100	10,000	8.0	1500/7.5	6.3/70	4.5/20	0169	1, 2, 4

NOTES: Tubes are single voltage gap triodes, of metal-ceramic construction, flange-mounted unless otherwise indicated. Peak Current (ib) ratings can be appreciably higher for sub-microsecond pulse widths. Control grid drive requirements are given for the minimum open circuit voltage and the minimum peak grid current. Cathode and reservoir heater voltages are nominal operating voltages. Cathode and reservoir heater currents are the maximum required at the nominal voltage.

1. Gradient grids, one or more
2. Auxiliary (preionizing) grid
3. Integral anode cooling chamber
4. Shielded gap for x-ray attenuation
5. Plug-in socket required
6. MT-4 mounting socket
7. Grounded grid (triggered spark gap) thyratron
8. High pulse repetition rate design
9. Reservoir heater and cathode heater internally connected in parallel
10. Metal-ceramic version of glass design
11. Ratings presuppose sub-microsecond pulse widths or single shot/crowbar service
12. Long-grid ceramic to suppress external arc-over
13. Oil immersion recommended
14. Suitable for De-Qing operation

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