THYRATRONS–HYDROGEN

TYPE NO.	Peak Forward Anode Voltage Max.	Peak Anode Current Max. (Amps)	Avg. Anode Current Max. (ma)	Pulse Width Max.
4C35	8,000	90	100	2 μsec.
5C22	16,000	325	200	2 μsec.
6268	8,000	90	100	2 μ sec
6279	16,000	325	200	2 μ sec

THYRATRONS–MERCURY VAPOR & INERT GAS–TRIODES & TETRODES

TYPE NO.	HEATER OR FILAMENT		Filament Heating Time (sec.)	Tube Drop (Volts)	PEAK VOLTAGE		ANODE CURRENT		Max. Grid Volts	Ionization Time (μ sec.)
	Volts	Amps			Forward Volts	Inverse Volts	Peak Amps	Average Amps		
AX105	5.0	10.0	300	16	10000	10000	8.0	4.0	–500	10
AX255	5.0	16.0	300	12	1500	2500	80.0	12.5	–300	10
AX260	5.0	25.0	600	10	1500	2500	160.0	25.0	–300	10
2D21	6.3	0.6	10	8	650	1300	0.5	0.1	–100	0.5
3C23	2.5	7	15	15	1250	1250	6	1.5	–500	3
632B	5	5	300	12	1500	1500	30	2.5	–300	10
2050	6.3	0.6	10	8	650	1300	1.0		–250	.5
5544	2.5	12.0	60	16	1500	1500	40.0	3.2	–250	–
5545	2.5	21.0	60	16	1500	1500	80.0	6.4	–250	–
5557/1701	2.5	5.0	5	16	2500	5000	1.0	0.5	–500	10
5559	5.0	4.5	300	16	1000	1500	15.0	2.5	–500	10
5560/FG95	5.0	4.5	300	16	1000	1000	15.0	2.5	–1000	10
5632/C3J	2.5	8.5	60	10	900	1250	30.0	2.5	–300	10
5684/C3JA	2.5	8.5	60	10	1000	1250	30.0	2.5	–300	10
5685/C6JA	2.5	21	60	9	1000	1250	77	6.4	–100	–
5727	6.3	0.6	10	8	650	1300	0.5	0.1	–100	0.5
5869/AGR9950	5.0	6.5	120	15	13000	13000	4.0	1.0	–100	10
5870/AGR9951	5.0	14.0	120	12	27000	27000	10.0	2.5	–100	10
6786	5.0	15-20	600	12	15000	15000	45.0	10-15		–
8270	5	13	90	12	21000	21000	10	2.5	–300	10

DESCRIPTION	TYPE NO.
These tubes are used as drivers for pulsing magnetrons and other oscillators and as high speed switches. Hydrogen-filled, they have extremely low de-ionization time. They are zero bias tubes, triggered by a positive grid pulse. Maximum pulse repetition frequency (prf in pulses per second) will depend on the peak forward anode voltage (epy in volts) according to formula: $(epy)^2 \times (prf) = 2.6 \times 10^{11}$ max.	
See 6268.	4C35
See 6279.	5C22
Completely interchangeable with 4C35 in every respect except that it has self-contained source of hydrogen providing life expectancy of minimum 1000 hours.	6268
Completely interchangeable with 5C22 in every respect except that it has self-contained source of hydrogen providing life expectancy of minimum 1000 hours.	6279

Deionization Time (μ sec.)	Condensed Mercury Temp. Range (°C)	DESCRIPTION	TYPE NO.
1000	+40° to +80°	Radiation-cooled mercury-vapor thyratron-tetrode.	AX105
1000	+35° to +75°	Heavy-duty, mercury vapor thyratron for motor control and A.C. welder control.	AX255
1000	+35° to +75°	Heavy-duty, mercury vapor thyratron for motor control and A.C. welder control.	AX260
–	–	High control ratio, temperature independent Thyratron with high circuit sensitivity. Inert gas filled. Negative control characteristics.	2D21
360	–40° to +80°	Gas and mercury triode.	3C23
1000	+45° to +50°	Mercury vapor tetrode for ignitor firing and grid-controlled rectifier service	632E
50	–	Gas tetrode for relay service.	2050
400	–	Xenon filled thyratron with reliable operation over wide temperature range. For electronic control of D.C. motor speed, regulation of current and voltage, counting and sorting devices and electronic switching machines.	5544
500	–	Same as for type 5544 above.	5545
1000	+30° to +80°	Radiation-cooled mercury-vapor low voltage thyratron. Similar in structure to 866 A.	5557/1701
1000	+40° to +75°	Indirectly heated, mercury-vapor triode with negative control characteristics.	5559
1000	+40° to +80°	Four electrode, mercury vapor thyratron with negative control characteristics. Designed for applications where the available grid power is very small and where it is desired to actuate the grid from a high impedance source.	5560/FG95
1000	–	Xenon filled, three-electrode thyratron with negative-control characteristics for reliable operation over wide temperature range. Especially suitable for control relay service, motor control, and ignitor firing service.	5632/C3J
1000	–	Xenon filled, three-electrode thyratron with negative-control characteristics for reliable operation over wide temperature range. Especially suitable for control relay service, motor control, and ignitor firing service.	5684/C3JA
1000	–	A gas filled triode for applications requiring precise control.	5685/C6JA
35 min.	–	Ruggedized version of 2D21. Particularly suitable for mobile and aircraft operation where mechanical strength and reliability are important. Designed for relay, servo control applications, etc.	5727
250	+25° to +55°	Radiation-cooled mercury-vapor thyratron. Oxide coated filament. Used for stepless control of voltage output and D-C motor control.	5869/AGR9950
250	+30° to +45°	Same as above for type 5869/AGR9950.	5870/AGR9951
–	+25° to +55°	High voltage, grid controlled mercury vapor thyratron. For industrial RF generators and transmitting equipment.	6786
500	+25° to +45°	Grid controlled mercury vapor thyratron.	8270