

COLD CATHODE TRIGGER TUBES

TYPE NO.	Anode Voltage Range (V)	Starter-to-Cathode Breakdown Voltage (V)	Anode-to-Cathode Burning Voltage (V)	Anode-to-Cathode Breakdown Voltage (V)	Recommended Priming Resistor (megohms)	Cathode Current Range (ma)	Peak Cathode Current ¹ (ma)
5823/Z900T	140-200 dc 117 ac	73-105	62	> 200		25 (max.)	100
7709/Z70W	200-310	137-153	111-121	> 325	18	2-4	16
7710/Z70U	200-310	137-153	111-121	> 325	18	2-4	16
7711/Z71U	125-165	73-90	54-68	> 175		3-7 ²	12
7713/Z804U	180-350 dc 180-275 ac	-115 to -131	106-115	> 400		5-40 dc 5-25 ac	125
7714/Z805U	250-450 dc 180-275 ac	137 - 155 dc 98 - 110 ac	118-128	> 500		5-25	150
Z803U	170-290	128 - 137	105	> 290	10	25 (max.)	100

¹Higher peak currents are permissible in pulse forming circuits.

²For passing speech current in intermittent use, 7 to 9 ma is recommended.

IGNITRONS—WELDER CONTROL SERVICE

TYPE NO.	R.M.S. Volts Range	Maximum KVA Demand & Corresponding Average Current		Maximum Average Current & Corresponding KVA Demand		Type Cooling
		K. V. A.	Amps	K. V. A.	Amps	
5555/653B	2400	2400	135.0	1105	207	Water
5822-A	220-600	424	20	188	70	Water

IGNITRONS—RECTIFIER SERVICE

TYPE NO.	Typical D.C. Output Voltage (v)	Maximum Peak Inverse & Forward Voltage (v)	Maximum Peak Anode Current (A)	Max. Continuous Average Anode Current (A)	Maximum Average Current (A) 1 minute	Type Cooling
AX5555	300 ¹ 600 ¹	900 2100	1800 1200	200 150	400 300	Water

¹Spread in operating voltage from tube to tube at recommended quiescent current.

IGNITRONS—THERMOSTATICALLY CONTROLLED¹

TYPE NO.	R.M.S. Volts Range	Maximum KVA Demand & Corresponding Average Current		Maximum Average Current & Corresponding KVA Demand		Type Cooling
		K. V. A.	Amps	K. V. A.	Amps	
AX5551-A	250-600	600	30.2	200	56	Water
AX5552	250-600	1200	75.6	400	140	Water
5553-B	250-600	2400	192.0	800	355	Water
AX5822	220-600	424	20.0	188	70	Water

¹These tubes are identical with the corresponding types 5551, 5552 and 5553 except that they are fitted with a "sensing" plate for adaptation of a thermostat. They do not include the thermostat or thermostat mounting under these designations. If thermostatic control is required, one of the following accessory groups should be ordered with each tube:

(A) AMPEREX "Water Saver" Thermostat Assembly. Cat. No. S-17024. (Consists of Thermostat No. C4391-7-51, mounting clamp, terminal block and four sets of nuts, bolts and washers).

(B) Amperex "Overload Protection" Thermostat Assembly, Cat. No. S-17025. (Consists of Thermostat No. C4391-7-52, mounting clamp, terminal block and four sets of nuts, bolts and washers).

KLYSTRONS (Listed in order of frequency range)

TYPE	DESCRIPTION	Freq. Range mc	HEATER		Beam Voltage (volts)	Re-flector Voltage (volts)	Beam Current (ma)	ETR mc	Pd(W)
			Volts	Amps					
6975	OSC, Reflex, Tunable	8500-9600	6.3	0.45	300	160-230	30	50	0.040
DX184	OSC, Reflex, Tunable	31000-36000	6.3	0.8	2250	100-500	15	60	0.100
DX151	OSC, Reflex, Tunable	67000-73000	3.5	1.75	2450	300	17	100	0.100