

SPECIAL PURPOSE TUBES—RECEIVING AND MISCELLANEOUS TYPES Cont'd

145 PENNSYLVANIA ELECTRONIC TUBES

TYPE	CONSTRUCTION			EMITTER			NOTES (1) (2) CAPACITIES IN $\mu\mu\text{f}$			USE	PLATE VOLTS	SCREEN VOLTS	NEG. VOLTS GRID	PLATE CUR- RENT MA	SCREEN CUR- RENT MA	PLATE RESIST- ANCE OHMS	AMP. μ FACTOR OR G_m μMHOS	OHMS LOAD FOR STATED POWER OUTPUT	POWER OUTPUT MW	
	CLASS	STYLE	BASE	TYPE	VOLTS	AMPS	C_{gp}	C_{in}	C_{out}											
7AK7	Pentode	Lock-In	8V	Cathode	6.3	0.8	0.7	12.0	9.5	Computer Tube	150 150 150	90 90 90	0 11 0	40 2.5m 2.0m	21 0.45 60m	11,500 ... $E_{c3}=9.5\text{ V}$	6,500	$E_{c3}=0\text{V}$ $E_{c3}=0\text{V}$ ...	... ... ...
12AY7	Special low noise audio amp. See complete data section.																			
25A7GT	Diode Pentode	T-9	8F	Cathode	25.0	0.30	H.W. Rectifier Power Amplifier	117 100	Volts per plate RMS, 100 15.0			75 Ma Output Current, 20.5 4.0		50,000	1,800	4,500	770
26D6	Heptode	T-5½	7CH	Cathode	26.5	0.07	0.3	7.5	14.0	Converter	100 250 26.5	100 100 26.5	1.5 1.5 0.5	2.8 3.0 0.45	8.0 7.8 1.6	500,000♦ 1.0 Meg.♦ ...	455♥ 475♥ 270♥	$R_{k1}=20,000$ $I_{c1}=0.5\text{ Ma}$ $R_{k1}=20,000$ $I_{c1}=0.5\text{ Ma}$ $R_{k1}=20,000$ $I_{c1}=0.1\text{ Ma}$		
28D7	Duo-Beam Amplifier	Lock-In	8BS	Cathode	28.0	0.40	...	...	...	Class A2 Amplifier	28 28 28	28 28 28	390▲* 3.5 0	9.0* 25.0 64.0	0.7* 2.0 4.0	R-C Coupled P-P, R-C Coupled P-P Transformer Coupled	4,000* 6,000‡ 1,500‡	80* 225 600	
28D7W (3)	Ruggedized version of Type 28D7. Data same as Type 28D7.																			
1222	Beam Pwr. Amp.	ST-14	1222	Cathode	6.3	0.9	...	...	...	Characteristics similar to Type 6L6GA.									
1229	Tetrode	ST-12	4K	Filament	2.0	0.06	...	...	...	Similar to Type 32. Electrometer tube (Low grid current).									
1273	Pentode	Lock-In	8V	Cathode	6.3	0.30	.004m	6.0	6.5	Amplifier	Characteristics same as Type 14C7 (Special Non-Microphonic Tube)									
1280	Pentode	Lock-In	8V	Cathode	12.6	0.15	.004m	6.0	6.5	Amplifier	Characteristics same as Type 14C7 (Special Non-Microphonic Tube)									
5654/ 6AK5W (3)	Pentode	T-5½	7BD	Cathode	6.3	0.175	0.02m	4.0	2.9	R F Amplifier	120	120	200▼	7.5	2.5	340,000	5,000	...	...
5679	Duodiode	Lock-In	7CX	Cathode	6.3	0.15	...	...	...	Characteristics same as Type 7A6. For V.T.V.M. use.									
5722	Diode	T-5½	5CB	Filament	4.9	1.6	...	...	1.5	Noise Diode	150	....	For noise generator service $I_b=35\text{ Ma Max.}$						
5726/ 6AL5W (3)	Duodiode	T-5½	6BT	Cathode	6.3	0.3	Rectifier	117 A C volts per plate RMS, 9 Ma D C output current per plate.									