

DATE Expected	TUBE	B+ volts	BIAS volts	mA actual 1.2	TC (gm) actual 1600	gp	Gain 100	Comments
12/13/2005	12AX7C Chinese	250	-2	0.6	1180	0.012	98.33	These are not as consistent in transconductance or current output as previous Chinese 12AX7s but the gain is higher than before. This is in part due to what appears to be a new plate material as the measured plate resistance is lower. These look to be gain wise much like the older Chinese tubes with higher gain than later ones.
				0.6	1230	0.013	94.62	
				1.0	1610	0.017	94.71	
				0.5	1180	0.012	98.33	
				0.9	1640	0.016	102.50	
				0.6	1330	0.013	102.31	
				1.3	1940	0.02	97.00	
				0.9	1640	0.016	102.50	
				0.8	1510	0.015	100.67	
				1.0	1580	0.0165	95.76	
	<b>Averages</b>			<b>Output 0.8</b>	<b>TC 1484</b>		<b>Gain 98.67</b>	<- Output averages
				<b>68.3%</b>	<b>92.8%</b>		<b>98.7%</b>	<- % of standard spec
	<b>High TC</b>			<b>1940</b>	<b>121.25%</b>			Wide spread on TC but gain is consistent
	<b>Low TC</b>			<b>1180</b>	<b>73.75%</b>			
	<b>QA tolerance TC</b>			<b>47.5%</b>				
	<b>High mA %</b>			<b>1.3</b>	<b>108.3%</b>			Wide spread in current output but not too much out of tolerance compared to other production tubes today.
	<b>Low mA %</b>			<b>0.6</b>	<b>50.00%</b>			
	<b>QA tolerance mA</b>			<b>58.3%</b>				
	<b>High gain</b>			<b>102.50</b>	<b>102.50%</b>			Very consistent on gain. More gainy than many other current production tubes
	<b>Low gain</b>			<b>94.62</b>	<b>94.62%</b>			
	<b>QA tolerance gain</b>			<b>7.9%</b>				