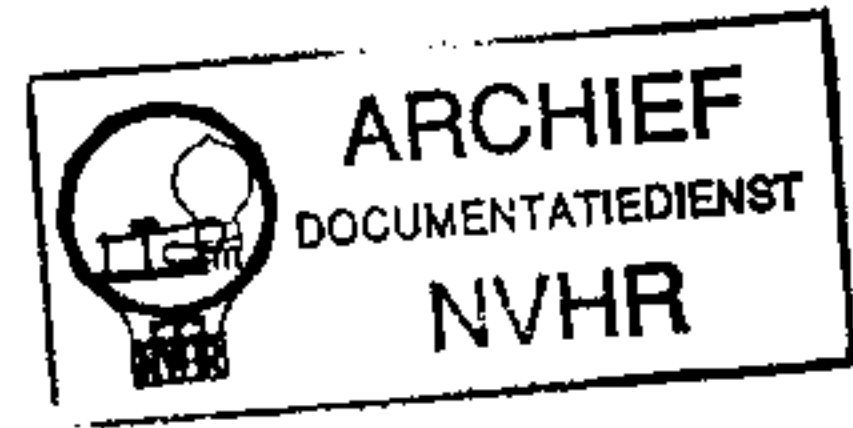


Met dank aan John Koster



TUBE TESTER



TUBE CHART

MODEL

TUBE CHART

TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.	TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.	TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.
KY66	D	2		5	30	2, 7	1DN5	A	1		4	100	1, 7	1N5	A	2		T.C.	60	2, 7
KT88	D	2		5	30	2, 7	1E3	A	4	3	1(S)	60	4, 5	1N6	A	2		5	60	2, 7
XXB	B	1	7	4	35	1, 8	1E4	A	2		5	60	2, 7	1N6	A	2		6	100	2, 7
XXB	B	1	7	5	35	1, 8	1E5	B	2		T.C.	35	2, 7	1P5	A	2		T.C.	60	2, 7
XXD	E	1		4	35	1, 8	1E7	B	2		4	35	2, 7	1Q5	A	2		5	30	2, 7
XXD	E	1		5	35	1, 8	1E7	B	2		5	35	2, 7	1Q6	A	4		3	60	4, 5
XXFM	D	1		3	35	1, 8	1E8	A	4		2	65	4, 5	1Q6	A	4		6	100	4, 5
XXFM	D	1		5	100	1, 8	1F5	B	2		5	30	2, 7	Reading of 15—O.K.						
XXFM	D	1		6	100	1, 8	1F7	B	2		4	100	2, 7	1R5	A	7	5	4	60	1, 7
XXL	D	1		6	35	1, 8	1F7	B	2		5	100	2, 7	1S2	A	1	4, 5, 6, 8, 9	T.C.(S)	100	1, 2
X-155	D	4		2	40	4, 5	1F7	B	2		T.C.	40	2, 7	1S4	A	1	5, 6	3	40	1, 7
X-155	D	4		7	40	4, 5	1G3	A	2	1, 3, 5, 8	T.C.(S)	100	2, 7	1S5	A	1		3	100	1, 7
1A3	A	1	2, 5	6(S)	10	1, 7	1G4	A	2		5	30	2, 7	1S5	A	1		6	60	1, 7
1A5	A	2		5	30	2, 7	1G5	B	2		5	30	2, 7	1SA6	A	2		4	60	2, 7
1A7	A	2		5	60	2, 7	1G6	A	2		4	30	2, 7	1SB6	A	2		5	100	2, 7
1AB5	A	1	8	3	35	1, 7	1G6	A	2		5	30	2, 7	1SB6	A	2		8	35	2, 7
1AB6	A	1		4	60	1, 7	1H2	A	2	1, 4, 5, 6, 8	T.C.(S)	100	2, 9	1T4	A	7	5	6	60	1, 7
1AC5	A	4		2	60	4, 5	1H4	B	2		5	60	2, 7	1T5	A	2		5	60	2, 7
1AC6	A	1		4	60	1, 7	1H5	A	2		5	100	2, 7	1T6	A	4		3	60	4, 5
1AD5	A	4		2	60	4, 5	1H5	A	2		T.C.	40	2, 7	1T6	A	4		6	100	4, 5
1AE4	A	7	4, 5	6	60	1, 7	1H6	B	2		4	100	2, 7	Reading of 15—O.K.						
1AF4	A	7	5	6	60	1, 7	1H6	B	2		5	100	2, 7	1U4	A	7	5	6	60	1, 7
1AF5	A	1		3	100	1, 7	1H6	B	2		6	35	2, 7	1U5	A	1		6	60	1, 7
1AF5	A	1		6	65	1, 7	1J3	A	2		T.C.(S)	60	2, 7	1U5	A	1		4	100	1, 7
1AG4	A	3		4	60	3, 5	1J5	B	2		5	30	2, 7	Reading above 15—O.K.						
1AG5	A	4		5	60	4, 6	1J6	B	2		4	30	2, 7	1U6	A	1		4	60	1, 7
1AG5	A	4		3	60	4, 6	1J6	B	2		5	30	2, 7	1V2	A	4	1, 2, 3, 6, 7, 8	9(S)	100	4, 5
1AH5	A	7	2	3	100	1, 7	1K3	A	2	1, 3, 5, 8	T.C.(S)	60	2, 7	1V5	A	4		2	65	4, 5
1AH5	A	7	2	6	60	1, 7	1L4	A	7	5	6	65	1, 7	1W4	A	1		6	60	1, 7
1AJ4	A	7	4, 5	6	60	1, 7	1L6	A	1		4	65	1, 7	1W5	A	4		2	65	4, 5
1AX2	A	1	4, 5, 6, 8, 9	T.C.(S)	100	1, 7	1LA4	A	1		6	60	1, 8	1X2	A	1	4, 5, 6, 8, 9	T.C.(S)	100	1, 2
1B3	A	2	1, 3, 5, 8	T.C.(S)	100	2, 7	1LA6	A	1		4	60	1, 8	1Z2	A	1	2, 3, 4, 5, 6	T.C.(S)	100	1, 7
1B7	A	2		5	60	2, 7	1LB4	A	1		6	60	1, 8	2A4G	B	2		3	60	2, 7
1B8	A	2		5	30	2, 7	1LB6	A	1		6	60	1, 8	2AF4	B	3	6, 7	2	30	3, 4
1B8	A	2		8	100	2, 7	1LC5	A	1	5	6	60	1, 8	2B3	A	2	1, 8	T.C.(S)	100	2, 7
1B8	A	2		T.C.	30	2, 7	1LC6	A	1		4	60	1, 8	2BN4	B	3	6, 7	2	30	3, 4
1C3	A	1	2	4	60	1, 7	1LDS	A	1		4	100	1, 8	2C51	D	1	5	3	30	1, 9
1C5	A	2		5	30	2, 7	1LD5	A	1		6	60	1, 8	2C51	D	1	5	7	30	1, 9
1C7	B	2		5	60	2, 7	1LE3	A	1	5	6	60	1, 8	2CY5	B	3	7	1	30	3, 4
1C8	A	4	1	2	60	4, 5	1LE4	A	1	7	6	60	1, 8	2E30	D	3	7	1	30	3, 4
1D5	B	2		T.C.	60	2, 7	1LF4	A	1	7	6	60	1, 8	2T4	B	3		1	60	3, 4
1D7	B	2		5	60	2, 7	1LG4	A	1	5	6	60	1, 8	2V2	B	2	4, 5, 6, 8	T.C.(S)	100	2, 7
1DB	A	2		4	40	2, 7	1LH4	A	1		4	100	1, 8	2V3	B	2		T.C.(S)	100	2, 7
1DB	A	2		8	100	2, 7	1LH4	A	1		6	60	1, 8							
1DB	A	2		T.C.	40	2, 7	1LNS	A	1	5	6	60	1, 8							
1DN5	A	1		6	60	1, 7	1M3	A	4	2	1(S)	100	4, 5							

* IMPORTANT NOTE: Asterisk(*) preceding tube listing means Power Switch MUST be switched DOWN to the "LO" position.

TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.	TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.	TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.
3A2	B	1	4, 5, 6, 8, 9	T.C.(S)	100	1, 2	3Q5	B	2	8	5	40	2, 7	5AV8	C	4		2	30	4, 5
3A3	B	2	1, 3, 5, 8	T.C.(S)	100	2, 7	3S4	B	1	2, 5	3	40	1, 7	5AV8	C	4		6	30	4, 5
3A4	B	1	2, 5		30	1, 7	3V4	B	1	5	6	40	1, 7	*5AW4	C	2		4	30	2, 8
3A5	B	1	4	3	60	1, 7	4A6	C	2	8	4	40	2, 7	*5AW4	C	2		6	30	2, 8
3A5	B	1	4	5	60	1, 7	4A6	C	2	8	5	40	2, 7	*5AX4	C	2		4	25	2, 8
3A8	B	2	1	5	60	2, 7	4AU6	C	3		1	30	3, 4	*5AX4	C	2		6	25	2, 8
3A8	B	2	1	8	100	2, 7	4BA6	C	3		1	30	3, 4	*5AZ4	C	2		4	30	2, 8
3A8	B	2	1	T.C.	60	2, 7	4BC8	C	3	2	1	30	3, 4	*5AZ4	C	2		6	30	2, 8
3AF4	B	3	6, 7		60	3, 4	4BC8	C	4		2	30	4, 5	5B8	C	4		2	30	4, 5
3AL5	B	3		2	25	3, 4	4BC8	C	4		7	30	4, 5	5B8	C	4		6	30	4, 5
3AL5	B	3		7	25	3, 4	4BE6	C	3		1	30	3, 4	5BC8	C	4		2	35	4, 5
3AU6	B	3		1	30	3, 4	4BN6	C	3		5(5)	100	3, 4	5BC8	C	4		7	35	4, 5
3AV6	B	3		1	30	3, 4	4BQ7	C	4		2	30	4, 5	5BE6	C	3		1	30	3, 4
3AV6	B	3		5	100	3, 4	4BQ7	C	4		7	30	4, 5	5BE8	C	4		1	30	4, 5
3AV6	B	3		6	100	3, 4	4BS8	C	4		2	30	4, 5	5BE8	C	4		9	30	4, 5
3B2	B	2	1, 3, 5, 6, 8	T.C.(S)	100	2, 7	4BS8	C	4		7	30	4, 5	5BK5	C	4	7	3	35	4, 5
3B4	B	4	2, 6	3	30	4, 5	4BU8	C	4		7	30	4, 5	5BK7	C	4		2	35	4, 5
3B5	B	2	8	5	40	2, 7	4BX8	C	4		2	35	4, 5	5BK7	C	4		7	35	4, 5
3B7	B	1	4	3	60	1, 8	4BX8	C	4		7	35	4, 5	5BQ7	C	4		2	30	4, 5
3B7	B	1	4	6	60	1, 8	4BZ6	C	3		1	30	3, 4	5BQ7	C	4		7	30	4, 5
3BA6	B	3		1	30	3, 4	4BZ7	C	4		2	30	4, 5	5BR8	C	4		1	60	4, 5
3BC5	B	3	2	1	30	3, 4	4BZ7	C	4		7	30	4, 5	5BR8	C	4		9	30	4, 5
3BE6	B	3		1	30	3, 4	4BZ8	C	4		2	30	4, 5	5BS8	C	4		2	35	4, 5
3BN4	B	3	6, 7	2	30	3, 4	4BZ8	C	4		7	30	4, 5	5BS8	C	4		7	35	4, 5
3BN6	B	3		5(5)	100	3, 4	4CB6	C	3		1	30	3, 4	5BT8	C	4		1	100	4, 5
3BU6	B	3		1	35	3, 4	4CE5	C	3	2	1	30	3, 4	5BT8	C	4		2	100	4, 5
3BU6	B	3		5	100	3, 4	4CS6	C	3		1	30	3, 4	5BT8	C	4		8	30	4, 5
3BU6	B	3		6	100	3, 4	4CX7	C	4	9	2	30	4, 5	5BW8	C	4		6	40	4, 5
3BU8	B	4		7	30	4, 5	4CX7	C	4	9	7	30	4, 5	5BW8	C	4		1	100	4, 5
3BY6	B	3		1	35	3, 4	4CY5	C	3	7	1	30	3, 4	5BW8	C	4		3	100	4, 5
3BZ6	B	3		1	35	3, 4	4DE6	C	3		1	35	3, 4	5BZ7	C	4		2	30	4, 5
3C2	B	2	4, 5, 6, 8	T.C.(S)	100	2, 7	4DK6	C	3		1	30	3, 4	5BZ7	C	4		7	30	4, 5
3C4	B	1	5	6	30	1, 7	4DT6	C	3	3, 9	1	60	3, 4	5CB8	C	4		2	35	4, 5
3C5	B	2	8	5	40	2, 7	5A6	C	4		7	30	4, 5	5CB8	C	4		7	35	4, 5
3CB6	B	3		1	30	3, 4	5AMB	C	4		2	30	4, 5	5CG8	C	4	8	1	30	4, 5
3CE5	B	3	2	1	30	3, 4	5AMB	C	4		8	30	4, 5	5CG8	C	4	8	9	30	4, 5
3CF6	B	3		1	30	3, 4	5AN8	C	4		2	30	4, 5	5CL8	C	4		1	30	4, 5
3CS6	B	3		1	30	3, 4	5AN8	C	4		8	30	4, 5	5CL8	C	4		9	30	4, 5
3CY5	B	3	7	1	30	3, 4	5AQ5	C	3	7	1	35	3, 4	5CM6	C	4	6	3	30	4, 5
3D6	B	1	7	6	40	1, 8	*5AR4	C	2	1	4	40	2, 8	5CMB	C	4		2	30	4, 5
3DK6	B	3		1	30	3, 4	*5AR4	C	2	1	6	40	2, 8	5CM8	C	4		9	30	4, 5
3DT6	B	3		1	60	3, 4	*5AS4	C	2		4	30	2, 8	5CQ8	C	4		2	30	4, 5
3E5	B	1	5	6	60	1, 7	*5AS4	C	2		6	30	2, 8	5CQ8	C	4		8	30	4, 5
3E6	B	1	5	6	60	1, 7	5AS8	C	4		2	30	4, 5	5CR8	C	4		2	40	4, 5
3LE4	B	1	7	6	40	1, 8	5AS8	C	4		6	30	4, 5	5CR8	C	4		9	40	4, 5
3LF4	B	1	7	6	40	1, 8	5AT8	C	4		1	30	4, 5	5CZ5	C	4	3, 8	6	30	4, 5
3Q4	B	1	2, 5	3	35	1, 7	5AT8	C	4		9	30	4, 5	5DH8	C	4		1	30	4, 5
							*5AU4	C	2		4	25	2, 8	5DH8	C	4		9	30	4, 5
							*5AU4	C	2		6	25	2, 8	5EAB	C	4		2	30	4, 5

* IMPORTANT NOTE: Asterisk (*) preceding tube listing means Power Switch MUST be switched DOWN to the "LO" position.

TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.	TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.	TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.
6AX5	D	2		3	30	2, 7	6BJ6	D	3		1	60	3, 4	6BU6	D	3		6	100	3, 4
6AX5	D	2		5	30	2, 7	6BJ7	D	4		2	100	4, 5	6BU8	D	4		7	30	4, 5
6AX6	D	2		3	30	2, 7	6BJ7	D	4		6	100	4, 5	6BV7	D	4	9	1	100	4, 5
6AX6	D	2		5	30	2, 7	6BJ7	D	4		8	100	4, 5	6BV7	D	4	9	6	100	4, 5
6AX7	D	4	9	2	30	4, 5	6BJ8	D	4		1	100	4, 5	6BV7	D	4	9	8	35	4, 5
6AX7	D	4	9	7	30	4, 5	6BJ8	D	4		6	100	4, 5	6BW4	D	4		1	35	4, 5
6AX8	D	4		2	35	4, 5	6BJ8	D	4		8	35	4, 5	6BW4	D	4		7	35	4, 5
6AX8	D	4		9	35	4, 5	6BK4	D	2	3, 4, 6, 8	5	30	2, 7	6BW7	D	4	3	2	30	4, 5
6AZ8	D	4		6	30	4, 5	6BK5	D	4	7	3	30	4, 5	6BW8	D	4		6	35	4, 5
6AZ8	D	4		9	30	4, 5	6BK6	D	3		1	30	3, 4	6BW8	D	4		1	100	4, 5
6B4	D	2		5	30	2, 7	6BK6	D	3		5	100	3, 4	6BV8	D	4		2	30	4, 5
6B6	D	2		T.C.	30	2, 7	6BK6	D	3		6	100	3, 4	6BV8	D	4		6	100	4, 5
6B6	D	2		4	100	2, 7	6BK7	D	4		2	30	4, 5	6BV8	D	4		9	100	4, 5
6B6	D	2		5	100	2, 7	6BK7	D	4		7	30	4, 5	6BW6	D	4	1	2	30	4, 5
6B8	D	2		T.C.	30	2, 7	6BL4	D	7	1, 2, 4, 6	5	30	7, 8	6BW8	D	4		3	100	4, 5
6B8	D	2		4	100	2, 7	6BL7	D	7		1	30	7, 8	6BX4	D	3		1(S)	15	3, 4
6B8	D	2		5	100	2, 7	6BL7	D	7		4	30	7, 8	6BX4	D	3		6(S)	15	3, 4
6BA6	D	3		1	30	3, 4	6BM5	D	3		7	30	3, 4	6BX6	D	4	1	2	30	4, 5
6BA7	D	4	8	2	30	4, 5	6BM8	D	4		1	35	4, 5	6BX7	D	7		1	30	7, 8
6BA8	D	4		2	30	4, 5	6BM8	D	4		3	35	4, 5	6BX7	D	7		4	30	7, 8
6BA8	D	4		7	30	4, 5	6BN4	D	3	6, 7	2	30	3, 4	6BX8	D	4		2	35	4, 5
6BC4	D	4	3, 7, 8, 9	2	30	4, 5	6BN5	D	4		2	35	4, 5	6BX8	D	4		7	35	4, 5
6BC5	D	3	2	1	30	3, 4	6BN6	D	3		5(S)	100	3, 4	6BY5	D	2		4	30	2, 7
6BC6	D	3		1	30	3, 4	6BN7	D	4		2	30	4, 5	6BY5	D	2		5	30	2, 7
6BC7	D	4		2	100	4, 5	6BN7	D	4		7	30	4, 5	6BY6	D	3		1	35	3, 4
6BC7	D	4		6	100	4, 5	6BN8	D	4		1	100	4, 5	6BY7	D	4	1	2	35	4, 5
6BC7	D	4		8	100	4, 5	6BN8	D	4		6	100	4, 5	6BY8	D	4		1	30	4, 5
6BC8	D	4		2	30	4, 5	6BN8	D	4		8	30	4, 5	6BY8	D	4		6	100	4, 5
6BC8	D	4		7	30	4, 5	6BQ6	D	2		5	30	2, 7	6BZ6	D	3		1	30	3, 4
6BD4	D	2		5(S)	100	2, 7	6BQ5	D	4	1, 6, 8	2	35	4, 5	6BZ7	D	4		2	35	4, 5
6BD5	D	2		1	30	2, 7	6BQ7	D	4		2	30	4, 5	6BZ7	D	4		7	35	4, 5
6BD6	D	3		1	30	3, 4	6BQ7	D	4		7	30	4, 5	6BZ8	D	4		2	40	4, 5
6BD7	D	4		2	30	4, 5	6BR5	D	4		1	30	4, 5	6BZ8	D	4		7	40	4, 5
6BD7	D	4		6	100	4, 5	6BR7	D	4	1	2	30	4, 5	6C4	D	3	2, 5	6	35	3, 4
6BD7	D	4		8	100	4, 5	6BR8	D	4		1	60	4, 5	6C5	D	2		5	35	2, 7
6BE6	D	3		1	30	3, 4	6BR8	D	4		9	30	4, 5	6C8	D	2		5	30	2, 7
6BE7	D	4		7	30	4, 5	6BS5	D	4	7, 8	2	30	4, 5	6C8	D	2		T.C.	30	2, 7
6BE8	D	4		1	30	4, 5	6BS7	D	4	1	2	30	4, 5	6CA4	D	4	2, 6, 8, 9	1	30	4, 5
6BE8	D	4		9	30	4, 5	6BS8	D	4		2	30	4, 5	6CA4	D	4	2, 6, 8, 9	7	30	4, 5
6BF5	D	3	7	1	30	3, 4	6BS8	D	4		7	30	4, 5	6CA5	D	3	5	2	30	3, 4
6BF6	D	3		1	35	3, 4	6BT6	D	3		1	30	3, 4	6CA7	D	2		5	30	2, 7
6BF6	D	3		5	100	3, 4	6BT6	D	3		5	100	3, 4	6CB5	D	2	1, 5, 6	4	30	2, 7
6BF6	D	3		6	100	3, 4	6BT6	D	3		6	100	3, 4	6CB6	D	3		1	30	3, 4
6BG6	D	2		5	30	2, 7	6BT8	D	4		1	100	4, 5	6CD6	D	2		5	30	2, 7
6BH5	D	4		2	30	4, 5	6BT8	D	4		2	100	4, 5	6CE5	D	3	2	1	30	3, 4
6BH6	D	3		1	30	3, 4	6BT8	D	4		8	30	4, 5	6CF6	D	3		1	30	3, 4
6BH8	D	4		2	30	4, 5	6BU5	D	7	6	4	30	7, 8	6CG6	D	3		1	30	3, 4
6BH8	D	4		7	30	4, 5	6BU6	D	3		1	30	3, 4	6CG7	D	4		2	30	4, 5
6BJ5	D	3		1	35	3, 4	6BU6	D	3		5	100	3, 4	6CG7	D	4		7	30	4, 5

* IMPORTANT NOTE: Asterisk(*) preceding tube listing means Power Switch MUST be switched DOWN to the "LO" position.

TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.	TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.	TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.
6CG8	D	4	8	1	30	4, 5	6DE4	D	7	2	5	35	7, 8	6J6	D	3		5	30	3, 4
6CG8	D	4	8	9	30	4, 5	6DE6	D	3		1	30	3, 4	6J6	D	3		6	30	3, 4
6CH6	D	4	1	2	30	4, 5	6DG6	D	2		5	30	2, 7	6J7	D	2		T.C.	30	2, 7
6CH7	D	4	9	2	30	4, 5	6DJ8	D	4		2	35	4, 5	6J8	D	2		5	75	2, 7
6CH7	D	4	9	7	30	4, 5	6DJ8	D	4		7	35	4, 5	6J8	D	2		T.C.	40	2, 7
6CH8	D	4		7	35	4, 5	6DK6	D	3		1	30	3, 4	6K5	D	2		T.C.	35	2, 7
6CH8	D	4		8	35	4, 5	6DN7	D	7		1	35	7, 8	6K6	D	2		5	30	2, 7
6CJ6	D	4	1, 6, 7	2	30	4, 5	6DN7	D	7		4	35	7, 8	6K7	D	2		T.C.	30	2, 7
6CK4	D	2	1	3	30	2, 7	6DQ5	D	2	3, 4, 5	1	30	2, 7	6K8	D	2		5	35	2, 7
6CK6	D	4		2	30	4, 5	6DQ6	D	2		5	30	2, 7	6L5	D	2		5	35	2, 7
6CL5	D	2	1, 3, 4	5	30	2, 7	6DS5	D	3	7	1	30	3, 4	6L6	D	2		5	30	2, 7
6CL6	D	4	8, 9	2	30	4, 5	6DT5	D	4	6, 8	3	30	4, 5	6L7	D	2		T.C.	35	2, 7
6CL8	D	4		1	30	4, 5	6DT6	D	3		1	60	3, 4	6M5	D	4		2	35	4, 5
6CL8	D	4		9	30	4, 5	6DT8	D	4		2	35	4, 5	6M6	D	2		5	30	2, 7
6CM6	D	4	6	3	30	4, 5	6DT8	D	4		7	35	4, 5	6M7	D	2		3	35	2, 7
6CM7	D	4		7	30	4, 5	6DW5	D	4	3	6	30	4, 5	6M8	D	2		5	35	2, 7
6CM7	D	4		8	30	4, 5	6DR7	D	4	3	2	35	4, 5	6M8	D	2		8	100	2, 7
6CMB	D	4		2	30	4, 5	6DR7	D	4	3	7	35	4, 5	6M8	D	2		T.C.	35	2, 7
6CM8	D	4		9	35	4, 5	6EB	D	2		5	30	2, 7	6N4	D	3	6, 7	1	30	3, 4
6CN7	D	4	9	1	100	4, 5	6EAB	D	4		2	35	4, 5	6N6	D	2		5	30	2, 7
6CN7	D	4	9	2	100	4, 5	6EAB	D	4		9	35	4, 5	6N7	D	2		4	30	2, 7
6CN7	D	4	9	7	35	4, 5	6EBB	D	4		2	35	4, 5	6N7	D	2		5	30	2, 7
6CQ6	D	3		1	30	3, 4	6EBB	D	4		7	35	4, 5	6N8	D	4		2	30	4, 5
6CR6	D	3		2	100	3, 4	6EF6	D	2		5	30	2, 7	6N8	D	4		7	100	4, 5
6CR6	D	3		7	35	3, 4	6EHS	D	3	9	2	35	3, 4	6N8	D	4		8	100	4, 5
6CR8	D	4		2	30	4, 5	6EHS	D	4	6	2	40	4, 5	6P5	D	2		5	30	2, 7
6CR8	D	4		9	30	4, 5	6EHS	D	4	6	7	40	4, 5	6P7	D	2		7	30	2, 7
6CS5	D	4	6, 8	3	40	4, 5	6EM5	D	4	6, 8	3	30	4, 5	6P7	D	2		T.C.	30	2, 7
6CS6	D	3		1	30	3, 4	6EW6	D	3		1	40	3, 4	6P8	D	2		5	30	2, 7
6CS7	D	4		3	30	4, 5	6F5	D	2		T.C.	35	2, 7	6P8	D	2		T.C.	30	2, 7
6CS7	D	4		7	30	4, 5	6F6	D	2		5	30	2, 7	6Q4	D	4	1, 2, 7	8	35	4, 5
6CS8	D	4		2	30	4, 5	6F8	D	2		5	30	2, 7	6Q5	D	2		5	30	2, 7
6CS8	D	4		9	30	4, 5	6F8	D	2		T.C.	30	2, 7	6Q6	D	2		5	100	2, 7
6CU5	D	3	5	2	30	3, 4	6FG6	D	4	2, 8	1(S)	100	4, 5	6Q6	D	2		T.C.	35	2, 7
6CU6	D	2		5	30	2, 7				(Indicator Only)				6Q7	D	2		4	100	2, 7
6CX7	D	4	9	2	30	4, 5	6FG6	D	4	2, 8	1	100	4, 5	6Q7	D	2		5	100	2, 7
6CX7	D	4	9	7	30	4, 5	6FH6	D	2		5	30	2, 7	6Q7	D	2		T.C.	35	2, 7
6CX8	D	4		2	30	4, 5	6G6	D	2		5	30	2, 7	6R4	D	4		1	35	4, 5
6CX8	D	4		7	30	4, 5	6G7	D	2		T.C.	30	2, 7	6R6	D	2		T.C.	30	2, 7
6CW5	D	4	1, 6, 8	2	30	4, 5	6H4	D	2		4	100	2, 7	6R7	D	2		4	100	2, 7
6CY5	D	3	7	1	30	3, 4	6H6	D	2		3	30	2, 7	6R7	D	2		5	100	2, 7
6CY7	D	4		3	30	4, 5	6H6	D	2		5	30	2, 7	6R7	D	2		T.C.	30	2, 7
6CY7	D	4		7	30	4, 5	6H7	D	2		5	30	2, 7	6R8	D	4		1	65	4, 5
6CZ5	D	4	3, 8	6	35	4, 5	6H7	D	2		T.C.	30	2, 7	6R8	D	4		2	65	4, 5
6D4	D	3		1	30	3, 4	6H8	D	2		4	100	2, 7	6R8	D	4		6	65	4, 5
6D8	D	2		5	30	2, 7	6H8	D	2		5	100	2, 7	6R8	D	4		8	35	4, 5
6DA6	D	4	1	2	35	4, 5	6H8	D	2		T.C.	35	2, 7	6S2	D	2	1, 4, 5, 6, 8	T.C.(S)	35	2, 9
6DB6	D	3		1	30	3, 4	6J4	D	3	5, 6	1	35	3, 4	6S4	D	4	1, 3, 7, 8	6	30	4, 5
6DC6	D	3		1	30	3, 4	6J5	D	2		5	30	2, 7							

* IMPORTANT NOTE: Asterisk(*) preceding tube listing means Power Switch MUST be switched DOWN to the "LO" position.

TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.	TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.	TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.
6S5	D	2		4	30	2, 7	6T8	D	4		8	30	4, 5	7A8	D	1		4	35	1, 8
6S6	D	2		T.C.	35	2, 7	6U3	D	4	1, 2, 6, 7, 8	9(S)	35	4, 5	7AB7	D	2	4, 6	5	35	2, 7
6S7	D	2		T.C.	35	2, 7	6U4	D	7		5	30	7, 8	7AD7	D	1		6	30	1, 8
6S8	D	7		1	100	7, 8	6U6	D	2		5	30	2, 7	7AF7	D	1		4	30	1, 8
6S8	D	7		3	100	7, 8	6U7	D	2		T.C.	30	2, 7	7AF7	D	1		5	30	1, 8
6S8	D	7		4	100	7, 8	6U8	D	4		2	30	4, 5	7AG7	D	1	5	6	30	1, 8
6S8	D	7		T.C.	35	7, 8	6U8	D	4		9	30	4, 5	7AH7	D	1		6	35	1, 8
6SA7	D	2		5	35	2, 7	6V3	D	4	7, 9	2	30	4, 5	7AJ7	D	1		6	35	1, 8
6SB7Y	D	2		5	35	2, 7	6V4	D	4	2, 6, 8, 9	7	35	4, 5	7AK7	D	1		6	35	1, 8
6SC7	D	7		3	30	7, 8	6V4	D	4	2, 6, 8, 9	1	35	4, 5	7AN7	D	4		2	35	4, 5
6SC7	D	7		4	30	7, 8	6V5	D	7		5	30	7, 8	7AN7	D	4		6	35	4, 5
6SD7	D	2		4	30	2, 7	6V6	D	2		5	30	2, 7	7AU7	D	4	9	2	30	4, 5
6SE7	D	2		4	30	2, 7	6V7	D	2		4	100	2, 7	7AU7	D	4	9	7	30	4, 5
6SF5	D	7		3	35	7, 8	6V7	D	2		5	100	2, 7	7B4	D	1		6	35	1, 8
6SF7	D	7		2	30	7, 8	6V7	D	2		T.C.	35	2, 7	7B5	D	1		6	30	1, 8
6SF7	D	7		5	100	7, 8	6V8	D	4		2	100	4, 5	7B6	D	1	4	3	35	1, 8
6SG7	D	2	3	4	30	2, 7	6V8	D	4		6	35	4, 5	7B6	D	1	4	5	100	1, 8
6SH7	D	2	5	4	30	2, 7	6V8	D	4		7	100	4, 5	7B6	D	1	4	6	100	1, 8
6SJ7	D	2		4	30	2, 7	6V8	D	4		9	100	4, 5	7B7	D	1		6	35	1, 8
6SK7	D	2		4	30	2, 7	6W4	D	7		5	35	7, 8	7B8	D	1		4	35	1, 8
6SL7	D	7		1	30	7, 8	6W5	D	2		3	35	2, 7	7C4	D	1		4	60	1, 8
6SL7	D	7		4	30	7, 8	6W5	D	2		5	35	2, 7	7C5	D	1		6	30	1, 8
6SN7	D	7		1	30	7, 8	6W6	D	2		5	30	2, 7	7C6	D	1	4	3	35	1, 8
6SN7	D	7		4	30	7, 8	6W7	D	2		T.C.	35	2, 7	7C6	D	1	4	5	100	1, 8
6SQ7	D	7		2	30	7, 8	6X2	D	1		T.C.(S)	100	1, 2	7C6	D	1	4	6	100	1, 8
6SQ7	D	7		4	100	7, 8								7C7	D	1		6	35	1, 8
6SQ7	D	7		5	100	7, 8								7D7	D	1		4	30	1, 8
6SR7	D	7		2	30	7, 8	6X4	D	3	(Use In-Line Socket)	1	30	3, 4	7D7	D	1		6	30	1, 8
6SR7	D	7		4	100	7, 8	6X4	D	3		6	30	3, 4	7E5	D	2	3, 4, 5	1	30	2, 8
6SR7	D	7		5	100	7, 8	6X5	D	2		3	30	2, 7	7E6	D	1	4	3	35	1, 8
6SS7	D	2		4	30	2, 7	6X5	D	2		5	30	2, 7	7E6	D	1	4	5	100	1, 8
6ST7	D	7		2	30	7, 8	6X6	D	2		4	30	2, 7	7E6	D	1	4	6	100	1, 8
6ST7	D	7		4	100	7, 8	6X8	D	4		2	35	4, 5	7E7	D	1	4	3	100	1, 8
6ST7	D	7		5	100	7, 8	6X8	D	4		7	35	4, 5	7E7	D	1		4	100	1, 8
6SU7	D	7		1	30	7, 8	6Y3	D	2		T.C.(S)	30	2, 7	7E7	D	1		6	35	1, 8
6SU7	D	7		4	30	7, 8	6Y6	D	2		5	30	2, 7	7E7	D	1		5	30	2, 7
6SV7	D	7		2	30	7, 8	6Y7	D	2		4	30	2, 7	7F7	D	1		4	30	1, 8
6SV7	D	7		5	100	7, 8	6Y7	D	2		5	30	2, 7	7F7	D	1		5	30	1, 8
6SZ7	D	7		2	30	7, 8	6Z6	D	2		3	30	2, 7	7F8	D	2		1	35	2, 7
6SZ7	D	7		4	100	7, 8	6Z6	D	2		5	30	2, 7	7F8	D	2		8	35	2, 7
6SZ7	D	7		5	100	7, 8	6Z7	D	2		4	35	2, 7	7G7	D	1		6	30	1, 8
6T4	D	3	6, 7	2	35	3, 4	6Z7	D	2		5	35	2, 7	7G8	D	1		4	30	1, 8
6T6	D	2		T.C.	35	2, 7	6ZY5	D	2		3	30	2, 7	7G8	D	1		5	30	1, 8
6T7	D	2		4	100	2, 7	6ZY8	D	2		5	30	2, 7	7H7	D	1		6	35	1, 8
6T7	D	2		5	100	2, 7	7A4	D	1		6	35	1, 8	7J7	D	1		4	35	1, 8
6T7	D	2		T.C.	35	2, 7	7A5	D	1		6	30	1, 8	7J7	D	1		6	35	1, 8
6T8	D	4		1	100	4, 5	7A6	D	1		3	35	1, 8	7K7	D	1		4	35	1, 8
6T8	D	4		2	100	4, 5	7A6	D	1		6	35	1, 8	7K7	D	1		5	100	1, 8
6T8	D	4		6	100	4, 5	7A7	D	1		6	35	1, 8							

* IMPORTANT NOTE: Asterisk(*) preceding tube listing means Power Switch MUST be switched DOWN to the "LO" position.

TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.	TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.	TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.	
12BQ6	E	2		5	30	2, 7	12DQ6	E	2		5	30	2, 7	12K7	E	2			T.C.	35	2, 7
12BR7	E	4	9	2	30	4, 5	12DS7	E	4		3	35	4, 5	12KB	E	2		5	35	2, 7	
12BR7	E	4	9	6	100	4, 5	12DS7	E	4		1	100	4, 5	12L6	E	2		5	30	2, 7	
12BR7	E	4	9	7	100	4, 5	12DS7	E	4		9	100	4, 5	12L8	E	6		1	30	6, 7	
12BT6	E	3		1	35	3, 4	12DTS	E	4	6, 8	3	35	4, 5	12L8	E	6		3	30	6, 7	
12BT6	E	3		5	100	3, 4	12DT8	E	4		2	35	4, 5	12Q7	E	2		4	100	2, 7	
12BT6	E	3		6	100	3, 4	12DT8	E	4		7	35	4, 5	12Q7	E	2		5	100	2, 7	
12BU6	E	3		1	35	3, 4	12DV8	E	4		3	35	4, 5	12Q7	E	2			T.C.	35	2, 7
12BU6	E	3		5	100	3, 4	12DV8	E	4		1	100	4, 5	12R5	E	3	5	2	30	3, 4	
12BU6	E	3		6	100	3, 4	12DV8	E	4		9	100	4, 5	12S8	E	7		3	100	7, 8	
12BV7	E	4	3, 6	2	30	4, 5	12DW5	E	4	3	6	35	4, 5	12S8	E	7		4	100	7, 8	
12BW4	E	4		1	30	4, 5	12DY8	E	4		1	35	4, 5	12S8	E	7		5	100	7, 8	
12BW4	E	4		7	30	4, 5	12DY8	E	4		9	35	4, 5	12S8	E	7			T.C.	35	7, 8
12BY7	E	4	6, 9	2	30	4, 5	12DZ6	E	3		1	30	3, 4	12SA7	E	2		5	35	2, 7	
12BZ7	E	4	9	2	30	4, 5	12E5	E	2		5	30	2, 7	12SB7	E	2		5	35	2, 7	
12BZ7	E	4	9	7	30	4, 5	12EA6	E	3		1	35	3, 4	12SBB	E	7		1	100	7, 8	
12C5	E	3	2	5	35	3, 4	12EC8	E	4		1	35	4, 5	12SBB	E	7		3	100	7, 8	
12C8	E	2		4	100	2, 7	12EC8	E	4		9	35	4, 5	12SBB	E	7		4	100	7, 8	
12C8	E	2		5	100	2, 7	12ED5	E	3	5	2	35	3, 4	12SC7	E	7		3	35	7, 8	
12C8	E	2		T.C.	35	2, 7	12EF6	E	2		5	35	2, 7	12SC7	E	7		4	35	7, 8	
12CA5	E	3	5	2	30	3, 4	12EG6	E	3		1	35	3, 4	12SF5	E	7		8	35	7, 8	
12CB6	E	3		1	35	3, 4	12EH5	E	3	5	2	35	3, 4	12SF7	E	7		2	35	7, 8	
12CD6	E	2		5	30	2, 7	12EK6	E	3		1	35	3, 4	12SF7	E	7		5	100	7, 8	
12CM6	E	4	6	3	30	4, 5	12EL6	E	3		1	60	3, 4	12SG7	E	2	3	4	35	2, 7	
12CN5	E	3	5	2	40	3, 4	12EL6	E	3		5	100	3, 4	12SH7	E	2	3	4	35	2, 7	
12CR6	E	3		2	100	3, 4	12EL6	E	3		6	100	3, 4	12SJ7	E	2		4	35	2, 7	
12CR6	E	3		7	35	3, 4	12EM5	E	4	6, 8	3	30	4, 5	12SK7	E	2		4	35	2, 7	
12CS5	E	4	6, 8	3	40	4, 5	12EM6	E	4	7, 8	1	35	4, 5	12SL7	E	7		1	30	7, 8	
12CS6	E	3		1	60	3, 4	12EM6	E	4	7, 8	9	100	4, 5	12SL7	E	7		4	30	7, 8	
12CS7	E	4		3	40	4, 5	12EN6	E	2		5	30	2, 7	12SN7	E	7		1	30	7, 8	
12CS7	E	4		7	40	4, 5	12EZ6	E	3		1	30	3, 4	12SN7	E	7		4	30	7, 8	
12CT8	E	4		2	30	4, 5	12F5	E	2		T.C.	35	2, 7	12SQ7	E	7		2	35	7, 8	
12CT8	E	4		8	30	4, 5	12F8	E	4		1	100	4, 5	12SQ7	E	7		4	100	7, 8	
12CU6	E	2		5	25	2, 7	12F8	E	4		6	100	4, 5	12SQ7	E	7		5	100	7, 8	
12CX6	E	3		1	35	3, 4	12F8	E	4		8	50	4, 5	12SR7	E	7		2	35	7, 8	
12D4	E	7	1, 2	5	40	7, 8	12FA6	E	3		1	35	3, 4	12SR7	E	7		4	100	7, 8	
12DE8	E	4		1	35	4, 5	12G4	E	3	2, 5	6	35	3, 4	12SR7	E	7		5	100	7, 8	
12DE8	E	4		3	100	4, 5	12G7	E	2		4	100	2, 7	12SW7	E	7		2	35	7, 8	
12DF5	E	4	9	1	35	4, 5	12G7	E	2		5	100	2, 7	12SW7	E	7		4	100	7, 8	
12DF5	E	4	9	6	35	4, 5	12H6	E	2		3	35	2, 7	12SW7	E	7		5	100	7, 8	
12DF7	E	4	9	2	35	4, 5	12H6	E	2		5	35	2, 7	12SX7	E	7		1	30	7, 8	
12DF7	E	4	9	7	35	4, 5	12H6	E	2		5	35	2, 7	12SX7	E	7		4	30	7, 8	
12DK7	E	4	8	1	35	4, 5	12J5	E	2		5	35	2, 7	12SY7	E	2		5	30	2, 7	
12DK7	E	4	8	6	100	4, 5	12J7	E	2		T.C.	35	2, 7	12U7	E	4	9	2	40	4, 5	
12DK7	E	4	8	9	100	4, 5	12J8	E	4		1	40	4, 5	12U7	E	4	9	7	40	4, 5	
12DL8	E	4		3	35	4, 5	12J8	E	4		8	100	4, 5	12V6	E	2		5	30	2, 7	
12DL8	E	4		1	100	4, 5	12J8	E	4		9	100	4, 5	12W6	E	2		5	30	2, 7	
12DL8	E	4		9	100	4, 5	12K5	E	3	5	6	30	3, 4	12X4	E	3		1	30	3, 4	

* IMPORTANT NOTE: Asterisk(*) preceding tube listing means Power Switch MUST be switched DOWN to the "LO" position.

TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.	TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.	TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.
12X4	E	3		6	30	3, 4	*16A5	E	4	6	2	30	4, 5	25AX4	F	7		5	30	7, 8
14A4	E	1		6	35	1, 8	*16A8	E	4		1	30	4, 5	25B6	F	2		5	30	2, 7
14A5	E	1		6	30	1, 8	*16A8	E	4		3	30	4, 5	25B8	F	2		8	30	2, 7
14A7	E	1		6	30	1, 8	*17AV5	E	2		1	30	2, 7	25B8	F	2		T.C.	30	2, 7
14AF7	E	1		4	35	1, 8	*17AX4	E	7		5	40	7, 8	25BK5	F	4	7	3	30	4, 5
14AF7	E	1		5	35	1, 8	*17BQ6	E	2		5	30	2, 7	25BQ6	F	2		5	30	2, 7
12G7	E	2		T.C.	35	2, 7	*17C5	E	3	5	2	60	3, 4	25C5	F	3	2	5	30	3, 4
12G8	E	4	9	3	60	4, 5	*17CA5	E	3	5	2	35	3, 4	25C6	F	2		5	30	2, 7
12G8	E	4	9	8	60	4, 5	*17CU5	E	3	5	2	35	3, 4	25CA5	F	3	5	2	30	3, 4
12H4	E	3	2	6	35	3, 4	*17DE4	E	7	2	5	35	7, 8	25CD6	F	2		5	30	2, 7
14B6	E	1	4	3	35	1, 8	*17DQ6	E	2		5	40	2, 7	25CG6	F	2		1	30	2, 7
14B6	E	1	4	5	100	1, 8	*17H3	E	4	2, 6, 7, 8, 9				25CU6	F	2		5	30	2, 7
14B6	E	1	4	6	100	1, 8					3	40	4, 5	25D6	F	2		5	30	2, 7
14B8	E	1		4	30	1, 8	*17L6	E	2		5	40	2, 7	25D8	F	2		5	35	2, 7
14C5	E	1		6	30	1, 8	*17R5	E	3	5	2	40	3, 4	25D8	F	2		8	100	2, 7
14C7	E	1		6	30	1, 8	*17Z3	E	4		9	50	4, 5	25D8	F	2		T.C.	35	2, 7
14DA7	E	4		3	35	4, 5	*18A5	E	2		1	50	2, 7	25DN6	F	2		5	30	2, 7
14DA7	E	4		7	35	4, 5	19AQ5	F	3	1	7	30	3, 4	25DQ6	F	2	5	5	30	2, 7
14E6	E	1	4	3	35	1, 8	19AU4	F	7		5	30	7, 8	25E5	F	2		5	30	2, 7
14E6	E	1	4	5	100	1, 8	19BG6	F	2		5	30	2, 7	25EC6	F	2		5	25	2, 7
14E6	E	1	4	6	100	1, 8	19C8	F	4		1	100	4, 5	25EH5	F	3	5	2	35	3, 4
14E7	E	1		3	100	1, 8	19C8	F	4		2	100	4, 5	25F5	F	3		2	30	3, 4
14E7	E	1		4	100	1, 8	19C8	F	4		6	100	4, 5	25L6	F	2		5	30	2, 7
14E7	E	1		6	35	1, 8	19C8	F	4		8	35	4, 5	25N6	F	2		5	30	2, 7
14F7	E	1		4	35	1, 8	19J6	F	3		5	35	3, 4	25W4	F	7		5	30	7, 8
14F7	E	1		5	35	1, 8	19J6	F	3		6	35	3, 4	25W6	F	2		5	30	2, 7
14F8	E	2		1	35	2, 7	19TB	F	4		1	100	4, 5	25X6	F	2		3	30	2, 7
14F8	E	2		8	35	2, 7	19TB	F	4		2	100	4, 5	25X6	F	2		8	30	2, 7
14H7	E	1		6	35	1, 8	19TB	F	4		6	100	4, 5	25Y4	F	2		5	30	2, 7
14J7	E	1		4	35	1, 8	19TB	F	4		8	35	4, 5	25Z4	F	2		5	30	2, 7
14J7	E	1		6	60	1, 8	19V8	F	4		2	100	4, 5	25Z6	F	2		3	30	2, 7
14N7	E	1		4	30	1, 8	19V8	F	4		6	35	4, 5	25Z6	F	2		5	30	2, 7
14N7	E	1		5	30	1, 8	19V8	F	4		7	100	4, 5	26A6	F	3		1	35	3, 4
14Q7	E	1		4	35	1, 8	19V8	F	4		9	100	4, 5	26A7	F	6		1	30	6, 7
14R7	E	1		3	100	1, 8	19X3	F	4	1, 2, 6, 7, 8	9	100	4, 5	26A7	F	6		3	30	6, 7
14R7	E	1		4	100	1, 8								26BK6	F	3		1	35	3, 4
14R7	E	1		6	35	1, 8	19X8	F	4		2	35	4, 5	26BK6	F	3		5	100	3, 4
14S7	E	1		4	35	1, 8	19X8	F	4		7	35	4, 5	26BK6	F	3		6	100	3, 4
14S7	E	1		6	60	1, 8	19Y3	F	4	1, 2, 6, 7, 8	9	35	4, 5	26C6	F	3		1	35	3, 4
14W7	E	1	4	6	35	1, 8								26C6	F	3		5	100	3, 4
14X7	E	1		3	35	1, 8	21A6	F	4	1, 6, 7	2	35	4, 5	26C6	F	3		6	100	3, 4
14X7	E	1		5	100	1, 8	21A7	F	1		4	60	1, 8	26CG6	F	3		1	35	3, 4
14X7	E	1		*6	100	1, 8	21A7	F	1		6	30	1, 8	26D6	F	3		1	35	3, 4
14Y4	E	1		3	30	1, 8	25A6	F	2		5	30	2, 7	26Z5W	F	4	9	1	30	4, 5
14Y4	E	1		6	30	1, 8	25A7	F	2		5	30	2, 7	26Z5W	F	4	9	6	30	4, 5
15A6	E	4		2	30	4, 5	25A7	F	2		6	30	2, 7	*28D7	F	1		2	30	1, 8
15A8	E	2		3	30	2, 7	25AC5	F	2		5	30	2, 7	*28D7	F	1		7	30	1, 8
15A8	E	2		4	30	2, 7	25AV5	F	2		1	30	2, 7	*28Z5	F	1	4	3	35	1, 8

* IMPORTANT NOTE: Asterisk(*) preceding tube listing means Power Switch MUST be switched DOWN to the "LO" position.

TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.	TUBE	FIL. VOLTS	F	N	P	LOAD.	FIL. CONT.
*28Z5	F	1	4	6	35	1, 8	117Z6	J	2		5	30	2, 7
*32L7	F	2		5	35	2, 7	884	D	2		5	30	2, 7
*32L7	F	2		6	35	2, 7	1851	D	2		T.C.	30	2, 7
*35A5	F	1		6	35	1, 8	1852	D	2		4	30	2, 7
*35A6	F	1		6	35	1, 8	1853	D	2		4	30	2, 7
*35B5	F	3	7	1	35	3, 4	6267	D	4	6	9	40	4, 5
*35C5	F	3	2	5	35	3, 4	6973	D	4	1, 3	6	35	4, 5
*35C06	F	2		5	40	2, 7	7027	D	2	1, 6	5	35	2, 7
*35L6	F	2		5	30	2, 7	7036	D	3		1	30	3, 4
*35W4	F	3	6	5	35	3, 4							
*35Y4	F	1	4	2	35	1, 8							
*35Z3	F	1	4	2	35	1, 8							
*35Z4	F	2		5	30	2, 7							
*35Z5	F	2	3	5	30	2, 7							
*35Z6	F	2		3	30	2, 7							
*35Z6	F	2		5	30	2, 7							
40Z5	G	2	3	5	40	2, 7							
45Z3	G	1	3, 6	2	30	1, 7							
45Z5	G	2	3	5	40	2, 7							
50A5	G	1		6	30	1, 8							
50AX6	G	2		3	30	2, 7							
50AX6	G	2		5	30	2, 7							
50B5	G	3	7	1	30	3, 4							
50BK5	G	4	7	3	30	4, 5							
50C5	G	3	2	5	30	3, 4							
50C6	G	2		5	30	2, 7							
50EH5	G	3	5	2	35	3, 4							
50L6	G	2		5	35	2, 7							
50X6	G	1		3	30	1, 8							
50X6	G	1		6	30	1, 8							
50Y6	G	2		3	30	2, 7							
50Y6	G	2		5	30	2, 7							
50Y7	G	2	6	3	30	2, 7							
50Y7	G	2	6	5	30	2, 7							
50Z6	G	2		3	30	2, 7							
50Z6	G	2		5	30	2, 7							
50Z7	G	2		3	30	2, 7							
50Z7	G	2		5	30	2, 7							
117L7	J	2		4	30	2, 7							
117L7	J	2		6	30	2, 7							
117M7	J	2		4	30	2, 7							
117M7	J	2		6	30	2, 7							
117N7	J	2		4	30	2, 7							
117N7	J	2		8	30	2, 7							
117P7	J	2		4	30	2, 7							
117P7	J	2		8	30	2, 7							
117Z3	J	3	1	5	30	3, 4							
117Z4	J	2		5	30	2, 7							
117Z6	J	2		3	30	2, 7							

* IMPORTANT NOTE: Asterisk (*) preceding tube listing means Power Switch MUST be switched DOWN to the "LO" position.

TUBE	FIL. VOLTS	F.	N.	P.	LOAD	FIL CONT.	TUBE	FIL VOLTS	F.	N.	P.	LOAD.	FIL CONT.	TUBE	FIL VOLTS	F.	N.	P.	LOAD	FIL CONT.
5902	D	3		1	35	3.6	6189	E	4	9	2	35	4.5	7054	E	4		2	30	4.5
5903	F	3	4	1	100	3.6	6189	E	4	9	7	35	4.5	7055	E	3		2	100	3.4
5903	F	3	4	5	100	3.6	6201	E	4		2	35	4.5	7055	E	3		7	100	3.4
5904	F	3		1	35	3.6	6201	E	4		7	35	4.5	7056	E	3		1	30	3.4
5905	F	3		1	30	3.6	6205	D	3	2	1	30	3.6	7057	E	4		2	35	4.5
5906	F	3		1	30	3.6	6206	D	3	2	1	30	3.6	7057	E	4		7	35	4.5
5907	F	3		1	30	3.6	6211	E	4	9	2	35	4.5	7058	E	4		2	35	4.5
5915	D	3		1	30	3.4	6211	E	4	9	7	35	4.5	7058	E	4		7	35	4.5
5915A	D	3		1	30	3.4	6350	E	4	9	3	35	4.5	7059	E	4		2	30	4.5
5916	F	3		1	30	3.6	6350	E	4	9	8	35	4.5	7059	E	4		9	35	4.5
5931	C	2		4	100	2.8	6660	D	3		1	30	3.4	7060	E	4		2	35	4.5
5931	C	2		6	100	2.8	6661	D	3		1	30	3.4	7060	E	4		8	35	4.5
5932	D	2		5	30	2.7	6662	D	3		1	30	3.4	7061	E	4	6	3	30	4.5
5933	D	1		3	30	1.5	6663	D	3		2	25	3.4	7167	E	3	7	1	30	3.4
5963	D	4	9	2	35	4.5	6663	D	3		7	25	3.4	7199	D	4		7	30	4.5
5963	D	4	9	7	35	4.5	6669	D	3	7	1	30	3.4	7199	D	4		9	35	4.5
5964	D	3		5	35	3.4	6677	D	4	8.9	2	30	4.5	7258	E	4		2	35	4.5
5964	D	3		6	35	3.4	6678	D	4		2	30	4.5	7252	E	4		8	30	4.5
5965	E	4	9	2	35	4.5	6678	D	4		9	30	4.5	7543	D	3		1	30	3.4
5965	E	4	9	7	25	4.5	6679	E	4	9	2	35	4.5	7687	D	4		2	30	4.5
5977	D	3		8	35	3.6	6679	E	4	9	7	39	4.5	7687	D	4		9	35	4.5
5987	D	3	2.4	8	35	3.6	6680	E	4	9	2	35	4.5	7675	F	4		6	30	4.5
6021	D	3		2	35	3.6	6680	E	4	9	7	35	4.5	7738	D	3	6	2	35	3.4
6021	D	3		7	35	3.6	6681	E	4	9	2	35	4.5	7754	D	4		6	30	4.5
6101	D	3		5	35	3.4	6681	E	4	9	7	35	4.5	7759	F	3		2	35	3.6
6101	D	3		6	35	3.4	6788	D	3		1	30	3.6	7759	F	3		7	35	3.6
6110	D	3	4	1	100	3.6	6943	D	3		1	30	3.6	7760	F	3		2	35	3.6
6110	D	3	4	5	100	3.6	6944	D	3		1	30	3.6	7760	F	3		7	35	3.6
6111	D	3		2	35	3.6	6945	D	3		1	30	3.6	7761	F	3		1	30	3.6
6111	D	3		7	35	3.6	6946	D	3		1	35	3.6	7762	F	3		1	30	3.6
6112	D	3		2	35	3.6	6947	D	3		2	35	3.6							
6112	D	3		7	35	3.6	6947	D	3		7	35	3.6	6006	D	2		5	30	2.7
6135	D	3		6	35	3.4	6948	D	3		2	35	3.6							
6136	D	3		1	30	3.4	7025	E	4	9	2	35	4.5							
6145	D	1	5	6	30	1.8	7025	E	4	9	7	35	4.5							
6146	D	2	8	5	30	2.7	7044	D	4	8	2	35	4.5							
6186	D	3		1	30	3.4	7044	D	4	8	7	35	4.5							

TUBE	FIL VOLTS	F	N	P	LOAD	FIL CONT	TUBE	FIL VOLTS	F	N	P	LOAD	FIL CONT	TUBE	FIL VOLTS	F	N	P	LOAD	FIL CONT
10EG7	E	7		4	30	7.8	12Z-PIA	E	1		4	30	1.6	80BK	C	1		2	100	1.4
10EW7	E	4	3	2	30	4.5	13DE7	E	4		3	35	4.5	80HK	C	1		2	100	1.4
10EW7	E	4	3	7	30	4.5	13DE7	E	4		7	35	4.5	80K	C	1		2	30	1.4
12A	C	1		3	30	1.4	13DR5	E	4	2	3	35	4.5	80K	C	1		3	30	1.4
12AK	C	1		3	30	1.4	13DR5	E	4	2	7	35	4.5	407A	G	1	5	3	35	1.9
12B26	E	3		1	30	3.4	13EM7	E	7		4	35	7.8	407A	G	1	5	7	35	1.9
12CV5	E	3	5	2	30	3.4	13EM7	E	7		1	35	7.8	408A	F	3		1	30	3.4
12DU7	E	4		1	35	4.5	*18FW6A	E	3		1	30	3.4	884	D	2		5	30	2.7
12DU7	E	4		7	100	4.5	*18FX6A	E	3		1	30	3.4	1855	D	2		T.C	30	2.7
12DU7	E	4		9	100	4.5	*18FY6A	E	3		1	35	3.4	5636	D	3		1	30	3.6
12DV7	E	4	9	2	100	4.5	*18FY6A	E	3		5	100	3.4	5639	D	3		1	30	3.6
12DV7	E	4		3	100	4.5	*18FY6A	E	3		6	100	3.4	5641	D	3	4.8	2	100	3.6
12DV7	E	4	9	7	35	4.5	*189D6A	E	3		1	30	3.4	5643	D	3		7	30	3.6
12DW7	E	4	9	2	35	4.5	*189E6A	E	3		1	35	3.4	5647	D	2		1	100	2.3
12DW7	E	4	9	7	35	4.5	*189E6A	E	3		6	100	3.4	5654	D	3		1	30	3.4
12F	C	1		2	100	1.4	*189E6A	E	3		5	100	3.4	5670	D	1	5	3	35	1.9
12FK	C	1		2	100	1.4	*18HB8	E	4		1	35	4.5	5670	D	1	5	7	35	1.9
12FK6	E	3		1	35	3.4	*18HB8	E	4		9	30	4.5	5687	E	4	8	2	35	4.5
12FK6	E	3		5	100	3.4	19CL8A	F	4		1	30	4.5	5687	E	4	8	2	35	4.5
12FK6	E	3		6	100	3.4	19CL8A	F	4		9	30	4.5	5718	D	3		1	35	3.6
12G7	E	2		T.C	35	2.7	19DE7	F	4		3	30	4.5	5719	D	3		8	35	3.6
12G8	E	4	9	2	60	4.5	19DE7	F	4		7	30	4.5	5722	C	3	7.6	1	100	3.4
12G8	E	4	9	8	60	4.5	19EA8	F	4		2	35	4.5	5725	D	3		1	30	3.4
12H4	E	3	2	6	35	3.4	19EA8	F	4		9	35	4.5	5726	D	3	6	2	100	3.4
12W-C1	E	1		5	30	1.7	22DE4	F	7		5	35	7.8	5726	D	3	6	5	100	3.4
12W-C5	E	1		6	35	1.7	24Z-K2	F	1		5	30	1.6	5727	D	3		1	30	3.4
12X-K1	E	1		2	100	1.4	24Z-K2	F	1		2	30	1.6	5749	D	3		1	30	3.4
12Y-L1	E	1		3	100	1.5	*36AM3B	F	3	6	5	30	3.4	5750	D	3		1	35	3.4
12Y-R1	E	1		T.C	35	1.5	36Z-K12	F	1		2	100	1.6	5751	E	4	9	2	35	4.5
12Y-V1	E	1		T.C	30	1.5	36Z-K12	F	1		5	100	1.6	5751	E	4	9	7	35	4.5
12Y-V1A	E	1		T.C	30	1.5	42	D	1		4	30	1.6	5814A	E	4	9	2	35	4.5
12Z-DH1	E	1		T.C	35	1.6	56	B	1		3	35	1.5	5814A	E	4	9	7	35	4.5
12Z-DH1	E	1		3	100	1.6	57	B	1		T.C	30	1.6	5840	D	3		1	30	3.6
12Z-DH1	E	1		4	100	1.6	58	B	1		T.C	30	1.6	5844	D	3		5	35	3.4
12Z-DH3A	E	1		3	35	1.6	76	D	1		3	35	1.5	5844	D	3		6	30	3.4
12Z-DH3A	E	1		4	100	1.6	80	C	1		2	30	1.4	5896	D	3		1	100	3.6
12Z-P1	E	1		4	30	1.6	80	C	1		3	30	1.4	5899	D	3		1	30	3.6

TUBE	FIL VOLTS	F	N	P	LOAD	FIL CONT	TUBE	FIL VOLTS	F	N	P	LOAD	FIL CONT	TUBE	FIL VOLTS	F	N	P	LOAD	FIL CONT
UZ-6002	D	1		TC	30	1.6	5EU8	C	4			30	4.5	6F5	D	2		TC	35	2.7
UZ-6004	D	1		4	35	1.6	5FV8	C	4			35	4.5	6F6	D	2		5	30	2.7
1AV3	A	Z	1,3,5,6,8	TC(S)	100	2.7	5FV8	C	4			30	4.5	6F8	D	2		5	30	2.7
1NZA	A	Z	1,3,5,6,8	TC	100	2.7	5GM6	C	3			30	3.4	6F8	D	2		TC	30	2.7
1U4	A	7	5	6	60	1.7	5R4GY	C	2			30	2.8	6FH5	D	3	1.6	2	35	3.4
1U5	A	1		6	60	1.7	5R4GY	C	2			30	2.8	6FQ5	D	3	1.6	2	35	3.4
1U5	A	1		4	100	1.7	5Z3	C	1			25	1.4	6FV6	D	3	2	1	35	3.4
1X2B	A	1	4,5,6,8,9	TC(S)	100	1.2	5Z3	C	1			25	1.4	6FV8	D	4		1	35	4.5
2A3	B	1		3	30	1.4	6A7	D	1			35	1.7	6FV8	D	4		9	35	4.5
2A5	B	1		4	30	1.6	shadows open - 5(S)					6GJ8	D	4		9	35	4.5		
2ER5	B	3	6	2	35	3.4	shadows close - 8(S)					6GJ8	D	4		2	30	4.5		
2ES5	B	3	6	2	30	3.4	Disregard Meter Reading					6GK5	D	3	1.6	2	35	3.4		
2EV5	B	3	2	7	30	3.4	6D6	D	1		TC	30	1.6	6GM6	D	3		1	30	3.4
2FH5	B	3	1.6	2	35	3.4	6DE7	D	4			35	4.5	6GN8	D	4		2	35	4.5
2FQ5	B	3	1.6	2	35	3.4	6DE7	D	4			35	4.5	6GN8	D	4		7	30	4.5
2GK5	B	3	1.6	2	30	3.4	6EH7	D	4			30	4.5	6H4	D	2		4	100	2.7
3EH7	B	4		2	35	4.5	6EJ7	D	4			30	4.5	6H6	D	2		3	30	2.7
3EJ7	B	4		2	35	4.5	6EM7	D	7			35	7.8	6H6	D	2		5	30	2.7
3ER5	B	3	6	2	35	3.4	6EM7	D	7			35	7.8	6H7	D	2		5	30	2.7
3ES5	B	3	6	2	35	3.4	6ER5	D	3	6		35	3.4	6H7	D	2		TC	30	2.7
3EV5	B	3	2	1	35	3.4	6ES5	D	3	6		35	3.4	6H8	D	2		4	100	2.7
3FH5	B	3	1.6	2	35	3.4	6ES8	D	4	9		35	4.5	6H8	D	2		5	100	2.7
3FQ5	B	3	1.6	2	35	3.4	6ES8	D	4	9		35	4.5	6H8	D	2		TC	35	2.7
3GK5	B	5	1.6	2	35	3.4	6ET7	D	4			100	4.5	6HC8	D	4		3	30	4.5
3WC5	B	1		6	35	1.7	6ET7	D	4			30	4.5	6HC8	D	4		1	35	4.5
3YP1	B	1		3	35	1.5	6ET7	D	4			35	1.2	6Z-DH3	D	1		TC	35	7.6
3ZDH3	B	1		TC	30	1.6	6EU7	D	1			35	1.2	6Z-DH3	D	1		3	100	1.6
3ZDH3	B	1		3	100	1.6	6EU7	D	1			35	1.2	6Z-DH3A	D	1		3	30	1.6
3ZDH3A	B	1		3	30	1.6	6EU8	D	4			30	4.5	6Z-DH3A	D	1		4	100	1.6
3ZDH3A	B	1		4	100	1.6	6EU8	D	4			30	4.5	6Z-DH3A	D	1		4	35	1.6
4BN6	C	3		5(S)	100	3.4	6EV5	D	3	2		35	3.4	6Z-P1	D	1				
4EH7	C	4		2	30	4.5	6EV7	D	4			35	4.5	(USE in - line Socket)						
4EJ7	C	4		2	30	4.5	8EV7	D	4			35	4.5	10BQ5	E	4	1.6, 8	2	30	4.5
4ES8	C	4	9	2	35	4.5	6EW7	D	4	3		35	4.5	10DE7	E	4		3	35	4.5
4ES8	C	4	9	7	35	4.5	6EW7	D	4	3		35	4.5	10DE7	E	4		7	35	4.5
4EW6	C	3		1	40	3.4	6EZ8	D	5			35	4.5	10DR5	E	4		3	35	4.5
4GM6	C	3		1	30	3.4	6EZ8	D	5			35	4.5	10DR5	E	4		7	35	4.5
5E58	C	4	9	2	35	4.5	6EZ8	D	5			35	4.5	10E97	E	7		1	30	7.8
5ES8	C	4	9	7	35	4.5														
5EU8	C	4		2	35	4.5														

FIL TUBE	VOLTS	F	N	P	LOAD	FIL CONT	FIL TUBE	VOLTS	F	N	P	LOAD	FIL CONT	FIL TUBE	VOLTS	F	N	P	LOAD	FIL CONT
KT-6H6A	D	/		2	100	1.7	UX-45	B	/		3	35	1.4	UZ-266	B	/		3	100	1.6
KT-6H6A	D	/		6	100	1.7	UX-47C	C	/		3	30	1.4	UZ-2A6	B	/		4	100	1.6
KX-14Z	B	/		T.C	100	1.4	UX-71A	C	/		3	35	1.4	UZ-606	D	/		T.C	30	1.6
KX-6901	B	/		T.C	100	1.4	UX-134	A	/		T.C	30	1.4	UZ-6L6A	D	/		4	30	1.6
KX-12B	C	/		2	100	1.4	UX-6202	B	/		T.C	35	1.4	UZ-12C	C	/		3	35	1.6
KX-80B	C	/		2	100	1.4	UY-1F4	B	/		3	30	1.5	UZ-12C	C	/		4	35	1.6
KX-17	D	/		2	100	1.4	UY-6A38	D	/		3	35	1.5	UZ-19	B	/		3	35	1.6
KY-84	D	/		2	100	1.5	UY-11A	A	/		T.C	30	1.5	UZ-19	B	/		4	35	1.6
KY-84	D	/		3	100	1.5	UY-24B	B	/		T.C	30	1.5	UZ-30C	B	/		3	35	1.6
KY-84A	D	/		2	100	1.5	UY-27	B	/		3	35	1.5	UZ-30C	B	/		4	35	1.6
KZ-2525	F	/		2	100	1.5	UY-27A	B	/		3	35	1.5	UZ-31MC	B	/		3	35	1.6
KZ-2525	F	/		5	100	1.6	UY-27B	B	/		3	35	1.5	UZ-31MC	B	/		4	35	1.6
UF-109A	A	2		/	30	2.4	UY-33	B	/		3	30	1.5	UZ-41	D	/		4	30	1.6
UF-111A	A	2		T.C	30	2.4	UY-35B	B	/		T.C	30	1.5	UZ-43	E	/		4	30	1.6
UN-109C	A	/		3	35	1.6	UY-36	D	/		T.C	30	1.5	UZ-47D	C	/		4	30	1.6
UN-109C	A	/		4	35	1.6	UY-36A	D	/		T.C	30	1.5	UZ-55	B	/		T.C	35	1.6
UT-6A6	D	/		3	35	1.7	UY-37	D	/		3	35	1.5	UZ-55	B	/		3	100	1.6
UT-6A6	D	/		5	35	1.7	UY-37A	D	/		3	35	1.5	UZ-55	B	/		4	100	1.6
UT-53	B	/		3	35	1.7	UY-38	D	/		T.C	30	1.5	UZ-57A	B	/		T.C	30	1.6
UT-53	B	/		5	35	1.7	UY-38A	D	/		T.C	30	1.5	UZ-58A	B	/		T.C	30	1.6
UT-59	B	/		4	30	1.7	UY-39	D	/		T.C	30	1.5	UZ-75	D	/		T.C	35	1.6
Ut-2A7	B	/		5	30	1.7	UY-39A	D	/		T.C	30	1.5	UZ-75	D	/		3	100	1.6
Ut-2B7	B	/		T.C	35	1.7	UY-45H	D	/		3	35	1.5	UZ-75	D	/		4	100	1.6
Ut-2B7	B	/		4	100	1.7	UY-46	B	/		3	30	1.5	UZ-77	D	/		T.C	30	1.6
Ut-2B7	B	/		5	100	1.7	UY-46C	B	/		3	30	1.5	UZ-78	D	/		T.C	30	1.6
Ut-6F7	D	/		T.C	35	1.7	UY-47	B	/		3	30	1.5	UZ-79	D	/		3	35	1.6
Ut-6F7	D	/		5	30	1.7	UY-47B	C	/		3	30	1.5	UZ-79	D	/		4	35	1.6
Ut-6L79	D	/		T.C	30	1.4	UY-56A	B	/		3	35	1.5	UZ-85	D	/		T.C	100	1.6
UXD1-A	C	/		3	35	1.4	UY-579	B	/		T.C	30	1.5	UZ-85	D	/		3	100	1.6
UX-1A4	B	/		T.C	30	1.4	UY-71H	D	/		3	35	1.5	UZ-85	D	/		4	30	1.6
UX-1B4	B	/		T.C	30	1.4	UY-76A	D	/		3	35	1.5	UZ-89	D	/		T.C	35	1.6
UX-26B	A	/		3	35	1.4	UY-133	A	/		3	30	1.5	UZ-130C	A	/		3	35	1.6
UX-30	B	/		3	30	1.6	UY-133A	A	/		3	30	1.5	UZ-130C	A	/		4	30	1.6
UX-31	B	/		3	30	1.4	UY-807	D	/		3	30	1.5	UZ-133D	A	/		4	35	1.6
UX-32	B	/		T.C	30	1.4	UY-637	D	/		3	35	1.5	UZ-133D	A	/		T.C	30	1.6
UX-34	B	/		T.C	30	1.4	UZ-106B	B	/		5	30	1.6	UZ-135	A	/		5	30	1.6
UX-40	C	/		3	35	1.4	UZ-246	B	/		T.C	35	1.6	UZ-6001	D	/		T.C	30	1.6