

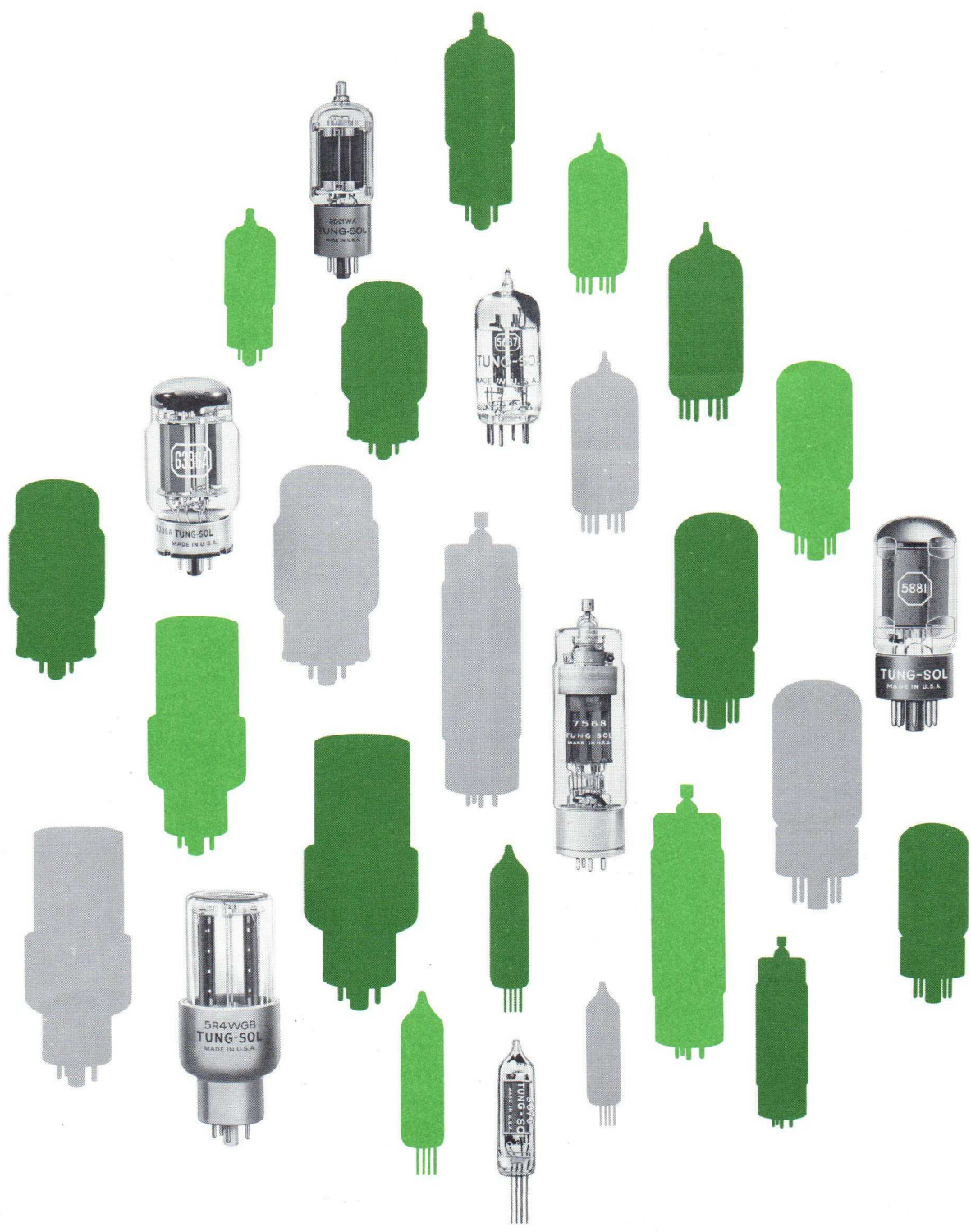
*Seems unreliable  
J.H.*

*Item (2)*

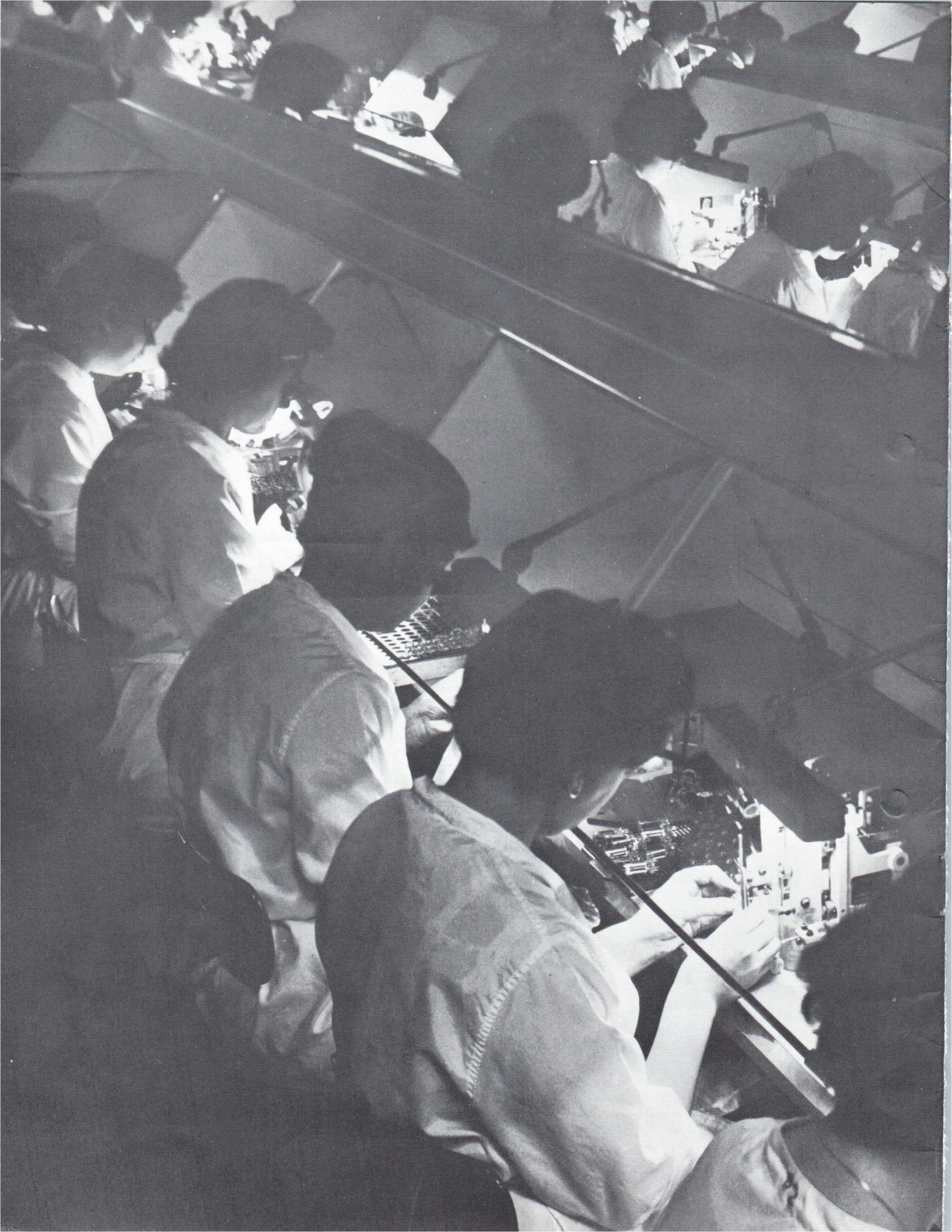
*file Tung-Sol*

# TUNG-SOL INTERCHANGEABILITY GUIDE

INDUSTRIAL AND SPECIAL PURPOSE ELECTRON TUBES



TUNG-SOL ELECTRIC INC., NEWARK 4, N. J.



Tube mounts being assembled under shields in filtered, air-conditioned atmosphere. Internal cleanliness is largely responsible for the high reliability of Tung-Sol tubes.

### MANUFACTURERS PREFIXES

TUBE MANUFACTURER	ON COMMERCIAL TUBES	ON EXPERIMENTAL TUBES
Amperex	HF, A	
Continental Electric	CE	
Dumont		K
Eitel McCullough	RX	
Electronic Enterprises	EE	
Electrons	EL	
Federal	F	
General Electric	GL, FG	ZP, Z
Hytron	HY	HD
Machlett	ML	
National Electronics	NL	
RCA	RCA	A, C, R
Raytheon	RK, RKR, CK, RX	QF, QK, QM
Sylvania	R	SD, SN, X, R
Taylor	T, R	
Tung-Sol	CH, TS	DT
United Electrics	EU, CV, UX, HV	
Weltronic	WT (tube, socket numbers)	
Western Electric	WE	
Westinghouse	WL, KU	WX

MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT		MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT	
		INDUSTRIAL	SPECIAL PURPOSE			INDUSTRIAL	SPECIAL PURPOSE
	OA2	OA2	OA2WA		2C39A	2C39A	
	OA2WA	OA2WA			2C39B	2C39A	
	OA3	OA3			2C39WB	3CX100A5	
	OA3/VR-75	OA3		*	2C51	5670	5670WA
	OA4G	OA4G			2C51/396A	2C51	5670 5670WA
	OB2	OB2	OB2WA		2D	1P40	
	OB2WA	OB2WA			2D21	2D21	5727/2D21W
	OB3	OB3			2D21/R6200	2D21	5727/2D21W
	OB3/VR-90	OB3			2D21W	5727/2D21W	
	OC3	OC3	OC3W		2E22	2E22	
	OC3/VR-105	OC3	OC3W		2E24	2E24	
	OC3/VR-105W	OC3W			2E26	2E26	
	OC3W	OC3W			2V400A	866	3B28
	OD3	OD3	OD3W		2X2/879	2X2A	
	OD3/VR-150	OD3	OD3W		2X2A	2X2A	
	OD3/VR-150W	OD3W			C3J	6011	
	OD3W	OD3W			3A4	3A4	
	OG3	OG3			3A5	3A5	
	OG3/85A2	OG3			3B24	3B24	3B24WA
	TQ1/2	3C23			3B24WA	3B24WA	
	1-100A	2C39A			3B25	3B25	3B28
	1AD4	1AD4			3B28	3B28	
	1AH4	1AH4			3B28/6277	3B28	
	1AJ5	1AJ5			3B29	3B29	
	1AK4	1AH4			3C23	3C23	
	1HT4	6345			3CX100A5	3CX100A5	
	1P32	927			3D21WA	3D21WA	
	1P39	1P39			3X100A11/2C39	2C39A	
	1P40	1P40			VT-4B	211	
	1R21	5550			4-65A	4-65A	
	1S22	1S22			4-125A	4D21/4-125A	
	1Y2	1Y2			4-125A/4D21	4D21/4-125A	
	1Z2	1Z2			4-250A/5D22	5D22/4-250A	
	B2A	2050	2050W		4-400A	4-400A	
	H2-10	2X2A			4-1000A	4-1000A	
	SGR-2	SGR-2			4B32	4B32	
	2-100A/100R	8020			4C21	211	
	2B4	885			4D21	4D21/4-125A	
	2B21	2X2A			4D21/4-125A	4D21/4-125A	
	2C39	2C39A			4X150A	4X150A	

**NOTES:** All replacements indicated can be made without socket or wiring changes.

**INDUSTRIAL**—tubes listed in this column are Tung-Sol exact replacements.

**SPECIAL PURPOSE**—tubes in this column have been improved by Tung-Sol to meet special application requirements such as—vibration, shock or temperature. Detailed specifications and information on improved characteristics may be obtained from Commercial Engineering Department, Tung-Sol Electric Inc.

\*Minor differences exist between original and replacement types. Consult technical data sheet before making substitutions.

MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT		MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT	
		INDUSTRIAL	SPECIAL PURPOSE			INDUSTRIAL	SPECIAL PURPOSE
	5A6	5A6			6H6GT	6H6WGT	
	5A6/RT533	5A6			6H6WGT	6H6WGT	
	5AT4A	5AT4A			6J4	6J4	6J4WA
	5C22	6587A			6J4WA	6J4WA	
	5D22/4-250A	5D22/4-250A			6J6	5964	5844 6211
	5R4G	5R4GYA	5R4WGA 5R4WGB		6J7	1620	
	5R4GY	5R4GYA	5R4WGA 5R4WGB		6L6	5881	6L6WGB
	5R4GYA	5R4GYA	5R4WGA 5R4WGB		6L6G	5881	6L6WGB
	5R4WGA	5R4WGA	5R4WGB		6L6GT	5881	6L6WGB
	5R4WGB	5R4WGB			6L6WGB	5881	6L6WGB
	5R4WGY	5R4WGA	5R4WGB		6Q5G	884	
	C6J	5685/C6JA			65C7GTY	65C7GTY	
	C6J/5C21	5685/C6JA			65J7	5693	
	C6JA	5685/C6JA			65J7WGT	5693	
	C6JA/5685	5685/C6JA			65L7GT	65L7WGT	5691
	6AH6	6485	6AH6WA		65L7WGT	65L7WGT	5691
	6AH6WA	6AH6WA			65N7	65N7WGT	65N7WGTA 5692
	6AJ5	6AJ5			65N7GTY	65N7WGT	65N7WGTA 5692
	6AK4	5718			65N7L	65N7WGT	65N7WGTA 5692
	6AK5	5654	5654/6AK5W 5654/6AK5W/6096		65N7W	65N7WGT	65N7WGTA 5692
	6AK5W	5654/6AK5W	5654/6AK5W/6096		65N7WGT	65N7WGT	65N7WGTA 5692
	6AK5WB	6AK5WB			65N7WGTA	65N7WGTA	5692
	6AL5	5726/6AL5W	5726/6AL5W/6097		65U7GT	65U7GTY	6188/65U7GTY
	6AL5W	5726/6AL5W	5726/6AL5W/6097		65U7GTY	65U7GTY	6188/65U7GTY
	6AR6	6AR6	6098/6AR6WA		65U7WGTY	6188/65U7GTY	
	6AR6WA	6098/6AR6WA			6U8	6678	
	6AS6	6AS6	5727 5725/6AS6W 5725/6AS6W/6187 5725/6AS6W		6U8A	6678	
	6AS6/409	5725	5725/6AS6W/6187		6X4	6X4W	6X4WA 6202
	6AS6W	5725/6AS6W	5725/6AS6W/6187		6X4W	6X4W	6X4WA 6202
	6AS7G	6AS7G			6X4WA	6X4WA	6202
	6AU6	6AU6WA	6AU6WB 6136		6X5WGT	6X5WGT	
	6AU6WA	6AU6WA	6AU6WB 6136		DQ-7	857B	
	6AU6WB	6AU6WB	6136		DCG-9/20	869B	
	6BA6	6660	5749		10E/95	5560	
	6BA6W	5749	5749/6BA6W 5749/6BA6W		10E/587	807	
	6BF7	6021	6111		UXCV11	UXCV11	
	6BF7A	6021	6111		GU12	866A	3B28
	6BA6	6661			12A6	12A6	
	6BJ6	6662			12AT7	6679	12AT7WA 6201
	6D4	6D4			12AT7WA	12AT7WA	6201

**NOTES:** All replacements indicated can be made without socket or wiring changes.

**INDUSTRIAL**—tubes listed in this column are Tung-Sol exact replacements.

**SPECIAL PURPOSE**—tubes in this column have been improved by Tung-Sol to meet special application requirements such as—vibration, shock or temperature. Detailed specifications and information on improved characteristics may be obtained from Commercial Engineering Department, Tung-Sol Electric Inc.

MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT		MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT	
		INDUSTRIAL	SPECIAL PURPOSE			INDUSTRIAL	SPECIAL PURPOSE
	12AU7	6680	5963 5814A 5814WA 6189/12AU7WA		53	53	
	12AU7WA	6189/12AU7WA			53AWB	927	
	12AX7	6661	5761 5751WA	RK	57	805	
	12AY7	12AY7		CE	59	5581	
	G15F	927		HY,HV	61/807	807	
	VT-17	860		HY	61	807	
HV	18	HF200			DF62	1AD4	
FV	20	8000			R66	866A	
NU	20	927		DT,TS	70	2E22	
TV	20	810		CE,RK,RKR	72	3B24WA	
NU	20C	927			VR75	OA3	
KU	23	HF-300			VR75-30	OA3	
	ATS25	807			X-80	6303	
CE	25A/B	927			ECC81	6201	
NU,CE	25C	927			ECC82	5814A	5814WA
CE	25D	927			ECC83	5751	5751WA
	25Z6	25Z6WGT			VT-83	83	
	25Z6G	25Z6WGT			85A2	OG3	
	25Z6GT	25Z6WGT			DCC90	3A5	
	25Z6MG	25Z6WGT			VR90-30	OB3	
	25Z6WGT	25Z6WGT			VT-90A	6H6WGT	
	25E6WG	26E6WG			DL93	3A4	
	26Z5	26Z5W			EF95	5654/6AK5W	
	26Z5W	26Z5W		FG	95	5560	
	CV32	866A		QK	95	3B29	
WL,FG	32	5558			VT-100	807	
EL	34	6550			100R	8020	
EL	34/6CA7	6550		<i>whose?</i>	X-103	4D21/4-125A	
	35T	811A			VR-105	OC3	OC3W
RK	39	807			VR-105-30	OC3	OC3W
CE	41	921			105-30	OC3	OC3W
RK	41	807			VT-105	6SC7GT	
	EB42	857B			VT-115	6L6WGB	
	VT-43	845			VT-115A	6L6WGB	
	VT-46A	866A			VT-119	2X2A	
HD	51	OA2			VT-134	12A6	
	51A	927			VT-143	805	
	51A3	927			143D	2X2A	
HD	52	OB2	OB2WA		VT-144	813	
RK	53	53			VR-150	OD3	OD3W

**NOTES:** All replacements indicated can be made without socket or wiring changes.

**INDUSTRIAL**—tubes listed in this column are Tung-Sol exact replacements.

**SPECIAL PURPOSE**—tubes in this column have been improved by Tung-Sol to meet special application requirements such as—vibration, shock or temperature. Detailed specifications and information on improved characteristics may be obtained from Commercial Engineering Department, Tung-Sol Electric Inc.

MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT		MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT	
		INDUSTRIAL	SPECIAL PURPOSE			INDUSTRIAL	SPECIAL PURPOSE
	VR150-30	OD3	OD3W	FG	235A	5552A	
GL	150/30	OD3	OD3W	FG	238B	5555	
	150C2	OA2	OA2WA		VT-245	2050	2050W
	150C3	OD3	OD3W		WT-246	2050	2050W
	VT-166	371B		FG	258A	5553B	
	VT-187	575A			VT-259	829B	
	200	HF200		FG	271	5551A	
DR	200	HF200			VT-277	417	5842
C, HF	200	HF200			284D	845	
T, NU	200	HF200			294	OD3	OD3W
HF	201A	HF201A			296	5517	
	VT-202	9002		NU, HF	300	HF300	
	VT-203	9003			311	3C23	
	210-0001	2D21	5727/2D21W		311CH	311CH	
	210-0004	2050	2050W		313C	313C	
	210-0006	6H6	6H6WGT		317C	217C	
	210-0008	866A	3B28	UE	317C	217C	
	210-0027	872A	4B32	WE, CE	323A	323B	
	210-0057	5560		UE, WE, CE, NL	323B	323B	
	210-0063	6807		QM	328	5686	
	210-0067	393		WE	331A	805	
	210-0070	5500		WE	338A	338A	
	210-0071	5551A			350A	807	
	210-0072	5552A		F	353	872A	4B32
	210-0073	5553B		F	353A	872A	4B32
	210-0077	5727/2D21W			357A	857B	
	210-0086	833A			357B	857B	
NU, C, Com, RX, UY, WE, GL, UE, WL, HD RX	211	211		F	366A	866A	3B28
	212	627		F	369B	869B	
	VT-217	811A		WE	371B	371B	
GL, UV	217C	217C		F	375A	575A	
CE	220	3B24WA			381	2C39A	
	221B	371B		NL, CE, GL, WE	393A	393A	
	VT-222	884		WE	395A	395A	
	Z225	866A	3B28		369A	2C51	
TS	229	5687	5687WA		*403A	6AK5WB	
	VT-229	65L7WGT			404A	404A	5847/404A 5847
CE	230	3B24WA			405A	426A	
	WT230	873			407A	407A	
	VT-231	65N7WGT		QF	408	1AD4	

**NOTES:** All replacements indicated can be made without socket or wiring changes.

**INDUSTRIAL**—tubes listed in this column are Tung-Sol exact replacements.

**SPECIAL PURPOSE**—tubes in this column have been improved by Tung-Sol to meet special application requirements such as—vibration, shock or temperature. Detailed specifications and information on improved characteristics may be obtained from Commercial Engineering Department, Tung-Sol Electric Inc.

\*Minor differences exist between original and replacement types. Consult technical data sheet before making substitutions.

MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT		MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT	
		INDUSTRIAL	SPECIAL PURPOSE			INDUSTRIAL	SPECIAL PURPOSE
	408A	408A	6028/408A 6028	GL,KU,NL	627	627	
	409A	6A56		KU	628	628	
GL	415	5550		WL	629	629	
WE	417	417A	5842/417A 5842	WL	630	2050	2050W
	420A	5755		WL	630A	2050	2050W
	421A	5998		WL	632A	632B	
WL	424	869B		WL,NL	632B	632B	
K,X	424D	4X150A		WL	651/656	5552A	
	426A	426A		WL	651/65	5551A	
	428T	3B24WA		WL	653B	5555	
GL,ZP	451	8020		WL	655/658	5553B	
GL	452	829		GL,WL	672A	672A	
UE,WL	468	HF201A		GL,RK,ML,F	673	673	
X	474	2C39A		KU,WL,WT,T	676	676	
WL	481	481B		WL	677	677	
	481B	481B		WL,GL	678	678	
	H500	5949	5949A	WL	681	5550	
GL	502	2050	2050W	WL	681/685	5550	
GL	510	857B		WL	686	5550	
GL	512	575A		NL	710	6011	
GL	512A	575A			710/6011	6011	
	522AX	6088		WE	732A	3B24WA	
GL	546	5663		NL	760	6807	
GL	549	5663		DR,ML,UE,WL	805	805	
QM	556	6X4W	6X4WA	GL,C,T,NU,CA	805	805	
CK	566AX	5676		DR	807	807	
QM	557	5654/6AK5W		GL,WL,RK,NU	807	807	
QM	558	5725/6AS6W		GL,WL	810	810	
QM	559	5726/6AL5W	5726/6AL5W/6097	UE,DR,ML,T	810	810	
CK	569AX	5678		GL,WL,EE	811	811A	
CK	569CX	5678		DR,NU	811	811A	
	575A	575A			811A	811A	
	576	576A		GL,WL,RK	811A	811A	
	576A	576A		GL,WL,EE	812	812A	
GL,UE,ZP	577	577			812A	812A	
WL	578	8020		GL,RK,WL	812A	812A	
WL	579B	879B		NU,WL,T	813	813	
	583	583		RK,ML,DR,UE	813	813	
T	606	2D21	5727/2D21W	GL,NL,RK	829	829B	
CK	612	6AN5			829A	829B	
WL	624	624					

**NOTES:** All replacements indicated can be made without socket or wiring changes.

**INDUSTRIAL**—tubes listed in this column are Tung-Sol exact replacements.

**SPECIAL PURPOSE**—tubes in this column have been improved by Tung-Sol to meet special application requirements such as—vibration, shock or temperature. Detailed specifications and information on improved characteristics may be obtained from Commercial Engineering Department, Tung-Sol Electric Inc.



MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT		MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT	
		INDUSTRIAL	SPECIAL PURPOSE			INDUSTRIAL	SPECIAL PURPOSE
RK,ML,NL,GL	829B	829B		UE	905	805	
UE,GL,C,T	830B	830B		UE	905A	805	
C	833	833A			930B	830B	
UE,WT,AX,RK GL,WL,T,DR,ML	833A	833A		UE	945	845	
R,C,T,UV WL,GL,NU	845	845		SN	949	5643	
	845B	845		SN	949C		
S	856	OA2		SN	953	5643	
	857	857B		SN	953A	5639	
F,GL	857A	867B		SN	953D	5639	
RK,AX,DR,F WL,GL,ML	857B	857B		SN	956	5642	
WL,GL,UE,UX	860	860		SN	956A	5642	
	866	866A	3B28	SN	956B	5642	
C,UX	866	866A	3B28	UE	966	866A	3B28
				UE	966A	866A	3B28
EE,C,RCA,GL, DR,HF,ML,RK, T,UE,WL,WT	866A	866A	3B28		972	972A	4B32
BB,WL,GL, NU,T,CE	866A/866	866A	3B28	UE	972	972A	4B32
UV	869A	869B		UX,UE	972A	972A	4B32
GL,F,WL,CE, EE,DR,ML,RK	869B	869B		SN	973	873	
	872	872A	4B32	SN	973	5840	
GL,F,C,CE, RCA,RK,OR, EE,UE,WT,AX	872A	872A	4B32	SN	973A	5840	
WL,T,NU,ML, AX,UE	872A/872	872A	4B32	SN	974B	5639	
BB	872AA	872A	4B32		975A	575A	
F	872B	872A	4B32	UE	975A	575A	
	873	873		SN	976	5902	
EE,T,DR	873	873		SN	976D	5902	
T	875A	575A		SN	979	5718	
	879	2X2		SN	979D	5718	
GL,RX,WT, WL,DR	884	884		SN	980	5719	
GL,RX,ML, WL,DR	885	885		SN	980D	5719	
F,GL,WL,RCA, AX,ML,UE,DR	891	891		SN	982	5643	
F,GL,WL,RCA, AX,ML,UE,WT, DR	892	892		SD	994B	5896	
S	901C	5651	5651WA	SN	1007	5636	
				SN	1007A	5636	
				CK	1013	5517	
				SN,EN	1039A	5840	
				R	1045	1Z2	
				CH	1046	7240	
				CK	1050	7323	
					1051A	5551A	
				NL	1052	5552A	

**NOTES:** All replacements indicated can be made without socket or wiring changes.

**INDUSTRIAL**—tubes listed in this column are Tung-Sol exact replacements.

**SPECIAL PURPOSE**—tubes in this column have been improved by Tung-Sol to meet special application requirements such as—vibration, shock or temperature. Detailed specifications and information on improved characteristics may be obtained from Commercial Engineering Department, Tung-Sol Electric Inc.

MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT		MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT	
		INDUSTRIAL	SPECIAL PURPOSE			INDUSTRIAL	SPECIAL PURPOSE
	1052A	5552A			2936	217C	
NL	1053	5553B			2936A	217C	
	1053A	5553B			3069	866A	3B28
CH	1062	7190			3071	869B	
CH	1068	7241			3072	857B	
CH	1078	7454			3119	860	
CH	1090	5A303			WX3230	678	
CH	1095	7568			3572	866A	3B28
CH	1096	7559			3945	845B	
CH	1097	7605		A	4051	807	
CH	1116	7400		A	4051J	807	
CH	1122	7242		A	4475	6A57G	6080WA
CH	1125	7401		A	4535	6080	6080WA
SC	1140A	5719		A	4535A	6080	6080WA
SC	1156A	5636		A	4541H	5763	
VC	1257	1257		H	5051	3D21WA	
VC	1258	1258		CK	5517	5517	
	1295	5560		CK	5517/1013	517	
	1299XQ	3B24WA		GL	5544	5544	
	1491	2C51			5550	5550	
Z	1494	5654/6AK5W		AX,GL,GL	5550	5550	
	1499	6005	6005/6AQ5W		5550/210-6070	5550	
	1554	5755		GL	5550/GL-415	5550	
	1547	5842/417A	5842	WL,GL,WT	5550/681	5550	
GL	1620	1620		WL	550/681/686	5550	
	1665	2050	2050W	GL	5551	5551A	
Z	1749	5749	5749/6BA6W	GL,WL,AX	5551A	5551A	
Z	1751	5726	5726/6AL5W 5726/6AL5W/6097	GL	5551/FG-271	5551A	
VC	1754	5948	5948A		5551/210-0071	5551A	
	1764	5751	5751WA	GL,AX,WL,WT	5551/652	5551A	
	1907	5949	5949A		5551A/652	5551A	
WL,RK,WT,GL	2050	2050	2050W	NL,GL	5552	5552A	
	2050W	2050W		GL,WL,AX	5552A	5552A	
GL	2051	2050	2050W		5552/210-0072	5552A	
Z	2104	5654/6AK5W		GL	5552/FG-235A	5552A	
Z	2106	6005		WL,AX	5552/651	5552A	
C	2115	5851		GL	5552/652	5552A	
A	2209	6J4	6J4WA		5553	5553B	
A	2209A	6J4	6J4WA	GL	5553A	5553B	
	2399	2399		GL,WL,AX	5553B	5553B	

**NOTES:** All replacements indicated can be made without socket or wiring changes.

**INDUSTRIAL**—tubes listed in this column are Tung-Sol exact replacements.

**SPECIAL PURPOSE**—tubes in this column have been improved by Tung-Sol to meet special application requirements such as—vibration, shock or temperature. Detailed specifications and information on improved characteristics may be obtained from Commercial Engineering Department, Tung-Sol Electric Inc.

MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT		MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT	
		INDUSTRIAL	SPECIAL PURPOSE			INDUSTRIAL	SPECIAL PURPOSE
GL	5553/FG-258A	5553B			5702WB	5702WB	
WL,GL,WT,AX	5553B/655	5553B			5703	5703WA	5703WB
GL	5555	5555			5703WA	5703WA	5703WB
GL	5555/FG-238B	5555			5703WB	5703WB	
AX,WL,GL	5555/653B	5555			5718	5718	
GL	5558	5558			5718A	5718	
GL	5558/FG-32	5558			5719	5719	
GL	5560	5560			5719A	5719	
NL,GL,WT	5560/FG-95	5560			5725	6A56	5725/6A56W 5725/6A56W/6187
GL,WL	5581	5581			5725/6A56W	5725/6A56W	5725/6A56W/6187
	5594	5594			5726	5726	5726/6AL5W 5726/6AL5W/6097
GL	5636	5636			5726/6AL5W	5726/6AL5W	5726/6AL5W/6097
	5632/C3J	6011			5726/6AL5W /6097	5726/6AL5W /6097	
	5638	5840			5727	5727/2D21W	
RK,CK	5639	5639			5727/2D21W	5727/2D21W	
RK,CK	5642	5642			5736	5736	
RK,CK	5643	5643			5744WB	5744WB	
CK,GL	5651	5651	5651WA	CK	5749	5749	5749/6BA6W
	5651WA	5651WA			5749/6BA6W	5749/6BA6W	
CK,GB,GL	5654	5654	5654/6AK5W 5654/6AK5W/6096		5751	5751	5751WA
GL	5654/6AK5W	5654/6AK5W	5654/6AK5W/6096		5751	5751WA	
CK,GL	5654/6AK5W /6096	5654/6AK5W /6096			5763	5763	
GL	5663	5663			5783	5783	5783WA
CK,GL	5670	5670	5670WA		5783WA	5783WA	
	5672	5672			5784	5784	5784WA
	5676	5676			5784WA	5784WA	
	5678	5678			5787	5787	5787WA
	5685	5685/C6JA			5787WA	5787WA	
AX	5685/C6J	5685/C6JA			5796	5796	
WL	5685/C6JA	5685/C6JA			5814	5814	5814WA
CK,GL	5686	5686			5814A	5814A	5814WA
	5687	5687	5687WA		5814WA	5814WA	
	5687WA	5687WA			5822	5822A	
GL,WL	5691	5691	65L7WGT		5822A	5822A	
GL,WL	5692	5692	65N7WGT		5823	5823	
GL,WL	5693	5693			5829	5829WA	
	5696	5696			5829WA	5829WA	
	5702	5702WA	5702WB		5840	5840	
	5702WA	5702WA	5702WB		5842/417A	5842/417A	

**NOTES:** All replacements indicated can be made without socket or wiring changes.

**INDUSTRIAL**—tubes listed in this column are Tung-Sol exact replacements.

**SPECIAL PURPOSE**—tubes in this column have been improved by Tung-Sol to meet special application requirements such as—vibration, shock or temperature. Detailed specifications and information on improved characteristics may be obtained from Commercial Engineering Department, Tung-Sol Electric Inc.

MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT		MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT	
		INDUSTRIAL	SPECIAL PURPOSE			INDUSTRIAL	SPECIAL PURPOSE
	5844	5844			6073	6073	OA2WA
	5847	404A			6074	6074	OB2WA
	5847/404A	5847/404A	5847		6074/OB2	6074	OB2WA
	5851	5851	5847		6080	6080	6080 6080WA 6080WB
	5875	5875			6080WA	6080WA	6080WB
	5879	5879			6080WB	6080WB	
	5881	5881	6L6WGB		6082	60082	6082WA 6082WB 6082WB
	5896	5896			6082WA	6082WA	
	5902	5902			6082WB	6082WB	
	5915	5915			6088	6088	
	5932	6L6WGB			6095	6005	
	5948	5948	5948A		6096	6AK5WB	
	5948/1754	5948	5948A		6098	6098/6AR6WA	
	5948A	5948A			6098/6AR6WA	6098/6AR6WA	
	5949	5949	5949A		6110	6110	
	5949/1907	5949	5949A		6111	6111	
	5949A	5949A			6136	6136	6AU6WA 6AU6WB
	5963	5963			6146	6146	6146W
	5964	5964			6148	5702WA	5702WB
	5965	5965			6149	5703WA	5703WB
	5966	5966			6150	5784	
	5993	6X4W	6X4WA		6151	5744WB	
	5998	5998			6159	6159	
	5998/421A	5998			6185	5670	5670WA
	H-6000	5948			6187	5725	5725/6AS6W 5725/6AS6W /6187
	6000	6000			6188	6188/6SU7WGT	6SU7GT
	6000W	6000W			6188/6SU7WGT	6188/6SU7WGT	
	6005	6005			6189/12AUZWA	6189/12AU7WA	
	6005/6AQ5W	6005			6200	2D21	5727/2D21W
	6005/6AQ5W /6095	6005			6201	6201	12AT7WA
	6011	6011			6202	6202	6X4WA
	6011/710	6011			6205	6205	
	6012	6012			6206	6206	
	6021	6021			6211	6211	
	6021A	6021			6245	6245	
	6028	6028/408A			6267	6293	
	6028/408A	6028/408A			6303	6303	
	6057	5751	5751WA		6327	6327	
	6058	6663			6336	6336A	
	6060	12AT7WA			6336A	6336A	

**NOTES:** All replacements indicated can be made without socket or wiring changes.

**INDUSTRIAL**—tubes listed in this column are Tung-Sol exact replacements.

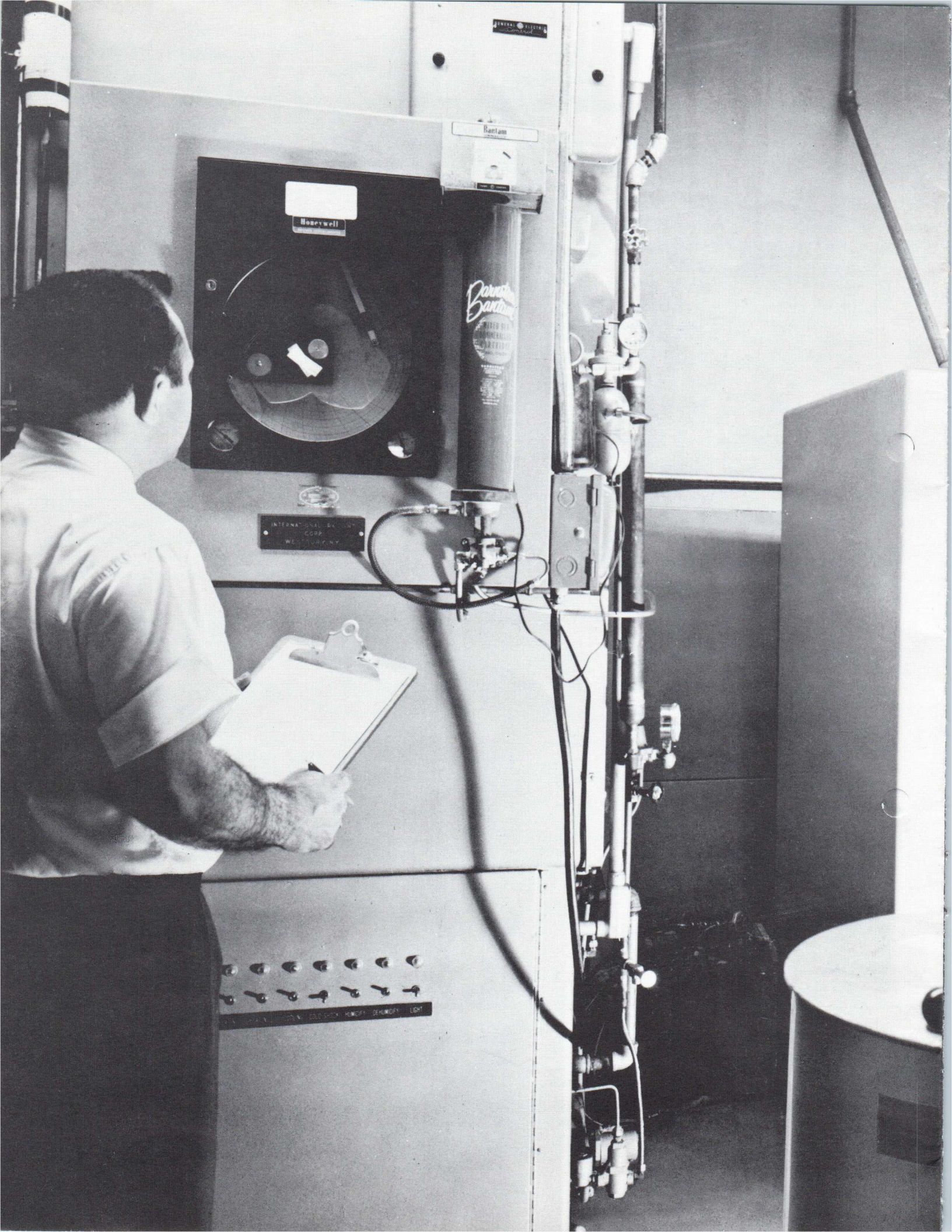
**SPECIAL PURPOSE**—tubes in this column have been improved by Tung-Sol to meet special application requirements such as—vibration, shock or temperature. Detailed specifications and information on improved characteristics may be obtained from Commercial Engineering Department, Tung-Sol Electric Inc.

MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT		MFRS. PREFIX	TUBE TYPE	TUNG-SOL REPLACEMENT	
		INDUSTRIAL	SPECIAL PURPOSE			INDUSTRIAL	SPECIAL PURPOSE
	6339	6339			6943	6943	
	6345	6345			6968	6968	
	6350	6350			7099	7099	
	6388/443A	6388/443A			7105	7105	
	6394A	6394A			7190	7190	
	6418	6418			7191	7191	
	6445	892			7192	7192	
	6485	6485	6AH6WA		7212	7212	6146W
	6520	6520			7236	7236	
	6528	6528			7240	7240	
	6542	6542			7241	7241	
	6550	6550			7242	7242	
	6550M	6550M			7323	7323	
	6626	OA2WA			7358	7358	
	6626/OA2WA	OA2WA			7370	7370	
	6627	OB2WA			7400	7400	
	6627/OB2WA	OB2WA			7401	7401	
	6660	6660			7410	7410	
	6661	6661			7454	7454	
	6661/6BH6	6661			7455	7455	
	6662	6662			7559	7559	
	6662/6BJ6	6662			7568	7568	
	6663	6663			7605	7605	
	6663/6AL5	6663			7607	7607	
	6669	6669			7752	6A56	
	6669/6AQ5	6669			7755	6AJ5	
	6678	6678			7756	6AR6	
	6678/6U8A	6678			7813	7813	
	6679	6679	12AT7WA		7979	7323	
	6679/12AT7	12AT7WA			8000	8000	
	6680	6680			8008	8008	8008XE
	6680/12AU7A	6680			8020	8020	
	6681	6681			8020/100R	8020	
	6681/12AX7	6681			8036	8036	
	6807	6807			9001	9001	
	6883	6883			9002	9002	
	6893	6893	2E26		9003	9003	
	6901	6901			38166	866A	3B28
	6907	6907			38172	872A	4B32

**NOTES:** All replacements indicated can be made without socket or wiring changes.

**INDUSTRIAL**—tubes listed in this column are Tung-Sol exact replacements.

**SPECIAL PURPOSE**—tubes in this column have been improved by Tung-Sol to meet special application requirements such as—vibration, shock or temperature. Detailed specifications and information on improved characteristics may be obtained from Commercial Engineering Department, Tung-Sol Electric Inc.



Honeywell

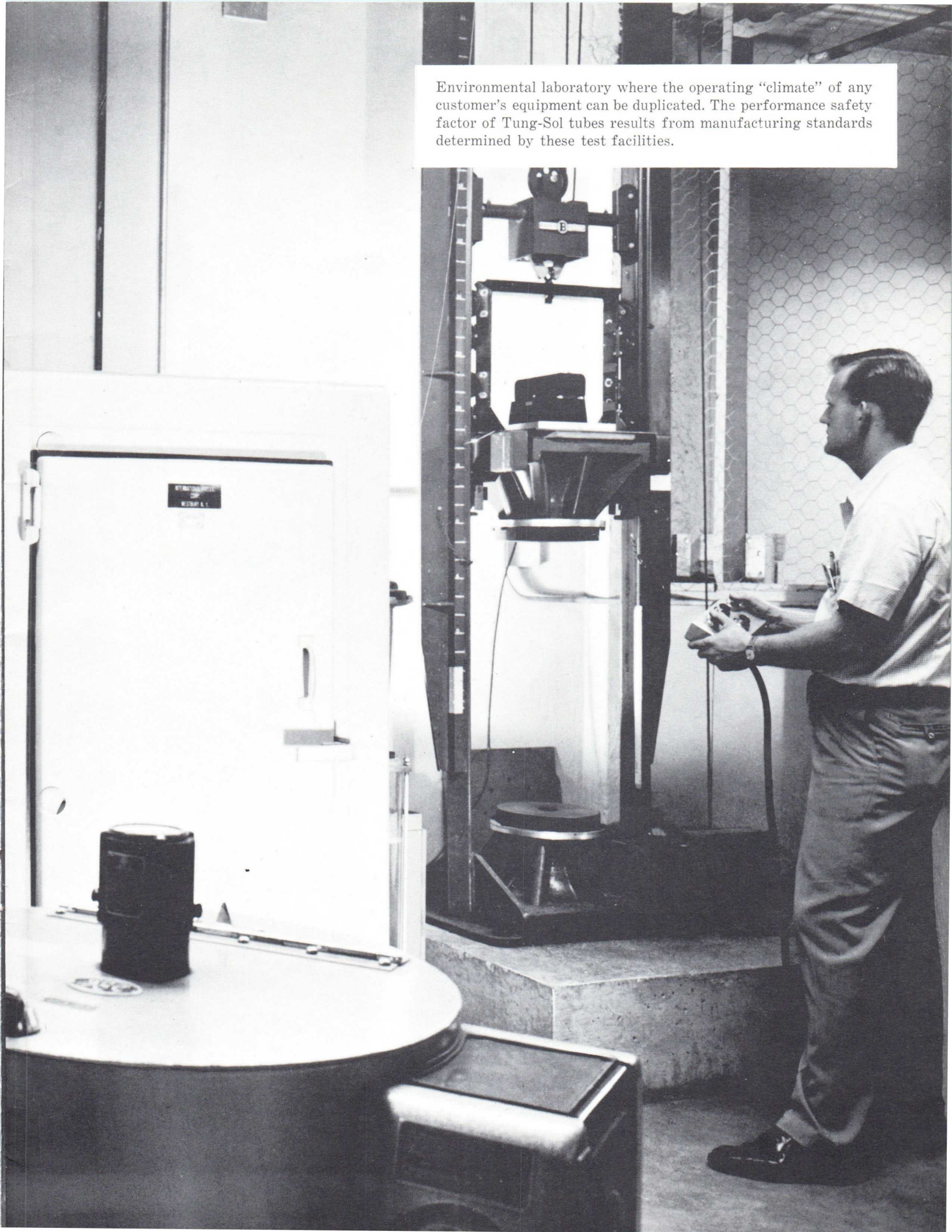
Bartlan

Bartlan

INTERNATIONAL REFRIG.  
CORP.  
WESTPORT, N.Y.

TEMP. CONTROL SYSTEM DEMONSTRATION LIGHT

Environmental laboratory where the operating "climate" of any customer's equipment can be duplicated. The performance safety factor of Tung-Sol tubes results from manufacturing standards determined by these test facilities.





**TUNG-SOL<sup>®</sup>**

ELECTRIC INC.

NEWARK 4, NEW JERSEY