



RCA Industrial Tube
INTERCHANGEABILITY
Directory

RCA INTERCHANGEABILITY DIRECTORY

This Interchangeability Directory of industrial tubes has been prepared to assist distributors, dealers, servicemen, and other users in selecting the proper RCA tube type as a replacement. This directory covers more than 2500 basic tube types. Classes of tubes included are shown below in the *Key to Symbols*.

A section entitled "Replacement Information - For RCA Types Recently Withdrawn or Limited to Inventory" is incorporated on page 11 of the directory to assist in selecting an RCA replacement for a type no longer available from RCA by indicating the differences between the type to be replaced and the RCA similar type.

The primary means of identifying a tube type is the basic designation. The designation may consist of a number, or a combination of letters and digits. In addition, many manufacturers utilize prefixes composed of one or more letters.

Because the majority of industrial tube types employ industry-assigned type designations, **this directory has been prepared without distinctive manufacturers' identification prefixes.** A tube having an industry-assigned type designation, made by one manufacturer is directly interchangeable with a type having the same designation made by another manufacturer, regardless of the manufacturer's prefix. For example the GL-829B, DR-829B, ML-829B, RK-829B, and WL-829B are different manufacturer's designations for the industry-assigned designation 829B. For this reason the prefixes have been dropped and the type is only listed as the 829B in this directory.

In those cases where manufacturers have assigned their own type numbers, one manufacturer may have assigned the same designation to a tube type as that of another manufacturer for an entirely different tube type. In such cases, the manufacturer's prefix is retained to distinguish between the types. For example, the number 54 is used by one manufacturer to identify a phototube, and by another manufacturer to identify a power tube. Therefore, to permit product identification, it is necessary to retain the manufacturer's prefix as an essential part of the basic type number. Hence, the phototube is identified as CE54, and the power tube as HK54.

Basic designations shown in the first column of the tabulation are listed in numerical sequence. Type designations having letter prefixes, whether they indicate the manufacturer

or are an integral part of the designation, are listed in the appropriate sequence of the first complete number of the type designation. For example, type designation CL-807 follows 807, and EL3C follows 3BP1A, but QV03-12 follows designation QB3/300GA. Type designations consisting entirely of letters are listed in alphabetical order at the end of the directory.

Identifying information about the Type to be Replaced, including the associated prefix when necessary, is given in the first column. The symbol in the second column denotes the class of tube. The last two columns show the RCA Direct Replacement Type or the RCA Similar Type, respectively, when one or the other is available. In some cases the usefulness of the list is further extended by showing both a Direct Replacement Type and a Similar Type.

When more than one RCA replacement type is shown for a particular type, the nearest type for general replacement purposes is indicated in an italic boldface type. It must be emphasized that this is a general rule. In many cases the application (because of its specific requirements) will determine the replacement type to be used. Other similar RCA types may be available. For a complete listing and data of RCA industrial types covered in this directory, see the following RCA publications: for vacuum power tubes, ignitrons - PWR-506A; for receiving-type industrial tubes, receiving tubes, glow tubes - RIT-104E; for rectifiers, thyratrons - PWR-506A and RIT-104E; for camera tubes - CAM-600A; for cathode-ray tubes, storage tubes - STC-900A; for image-converter tubes, photodiodes, multiplier phototubes - PIT-700; for photoconductive cells, photojunction cells, photovoltaic cells - CSS-800; for traveling-wave tubes - MWD-101B.

How to Use

1. Look in Column 1 for the basic designation of the type to be replaced.
2. Look in Column 3 for the corresponding RCA Direct Replacement Type.
3. If no RCA Direct Replacement Type is shown, look in Column 4 for an RCA Similar Type. Such a type usually is not directly interchangeable with the type to be replaced because of mechanical and/or electrical differences. Tube data should, therefore, be checked before using an RCA Similar Type as a replacement.

KEY TO SYMBOLS IN COLUMN 2

CR = Cathode-Ray Tube	IO = Image Orthicon	PJ = Photojunction Cell	RIT = Receiving-Type Industrial Tube
G = Glow Tube	M = Magnetron	PM = Multiplier Phototube	ST = Storage Tube
GA = Gauge Tube	MS = Monoscope	PV = Photovoltaic Cell	T = Thyratron
K = Klystron	PC = Photoconductive Cell	R = Rectifier	TW = Traveling-Wave Tube
I = Ignitron	PD = Photodiode	RT = Receiving Tube	VID = Vidicon
IC = Image-Converter Tube			VPT = Vacuum Power Tube

EXPLANATIONS OF COLUMNS 3 & 4

- RCA types shown in this column are direct replacements for corresponding types to be replaced.
- ▲ RCA types shown in this column are not directly interchangeable with the types to be replaced because of differences in mechanical and/or electrical characteristics. For more information as to degree of interchangeability, refer to respective tube data.

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RCA INTERCHANGEABILITY DIRECTORY

1		2		3		4		1		2		3		4		1		2		3		4	
TYPE TO BE REPLACED		REPLACE BY RCA TYPE	SIMILAR RCA TYPE	TYPE TO BE REPLACED		REPLACE BY RCA TYPE	SIMILAR RCA TYPE	TYPE TO BE REPLACED		REPLACE BY RCA TYPE	SIMILAR RCA TYPE	TYPE TO BE REPLACED		REPLACE BY RCA TYPE	SIMILAR RCA TYPE	TYPE TO BE REPLACED		REPLACE BY RCA TYPE	SIMILAR RCA TYPE	TYPE TO BE REPLACED		REPLACE BY RCA TYPE	SIMILAR RCA TYPE
BASIC DESIGNATION	TUBE CLASS			BASIC DESIGNATION	TUBE CLASS			BASIC DESIGNATION	TUBE CLASS			BASIC DESIGNATION	TUBE CLASS			BASIC DESIGNATION	TUBE CLASS			BASIC DESIGNATION	TUBE CLASS		
OA2	G	OA2		OA2WA 6073		2AP1 2AP1A	CR CR	2AP1A 2AP1A		C3JA/5684 C3JL	T T	C3JA/5684 C3JL				4E27/8001	VPT					4E27A/ 5-125B*	
OA2WA	G	OA2WA		OA2, 6073, 6626/OA2WA		2B4 2B29	T VPT	885 829B		3JP1 3JP7	CR CR	3JP1 3JP7				4E27A	VPT	4E27A/ 5-125B					
OA3 OA3/VR75	G	OA3, OA3A OA3, OA3A		OC2 OC2		2B29P 2B32	VPT VPT	832A	3E29	3KP1 3KP7	CR CR	3KP1 3KP7				4E27A/ 5-125B	VPT	4E27A/ 5-125B					
OA3A OA4G OB2	G G G	OA3A OA4G OB2		OA3, OC2 OB2WA, 6074, 6074/OB2		2B46 2B46P	VPT VPT	6146A, 6146B/8298A	6293	3KP11 3KP16	CR CR	3KP11 No RCA Replacement				4F15R	VPT	7034/ 4X150A				6155 C1K/6014 3C23 5563A	
OB2WA	G	OB2WA		6074/OB2 OB2, 6074, 6074/OB2		2BP1 2BP11	CR CR	2BP1 2BP11		3RP1A 3RP7A 3WP1	CR CR CR	3RP1A 3RP7A 3WP1				4F21 4G14 4G23 4G63	VPT T T T						
OC2 OC3 OC3/VR105 OC3A OC3W OD3	G G G G G G	OC2 OC3, OC3A OC3, OC3A OC3A		OA3, OA3A OB2, 6074 OC3, 6074 OC3, OC3A OA2, OA2WA, 6073		CE2C 2C22 2C38 2C39 2C39A 2C39B	PD RT VPT VPT VPT VPT	6953 6J5		3WP2 3WP11 3X100A5 3X100A11 3X2500A3 3X3000F1	CR CR VPT VPT VPT	No RCA Replacement 3WP11 2C39A 2C39A				4H72 4H73 4H135M	R R VPT	872A 872A 7034/ 4X150A				673	
OD3/VR150 OD3A OD3W	G G G	OD3, OD3A OD3A		2C39WA 2C40 2C40A		2C39WA 2C40 2C40A	VPT VPT VPT	2C39WA 2C40, 2C40A 4037A 4037A		OB3, 5/750 DQ4	VPT R	6156 872A, CR274/ 872A				4X150D 4X150G	VPT VPT	7035/ 4X150D				7034/ 4X150A	
OZ4A	R	OZ4A		CE2D 2D21		2D21	T	5670WA 1P40, 930		O0E04/20 OBL4/800 DCX4/1000	VPT VPT R	4X500A 3B28, CR275/ 866A/3B28	832A			4X250B	VPT	7203/ 4CX250B					
OXU1	R	3B28, CR275/ 866A/3B28		2D21W		2D21W	T	5670WA 1P40, 930		DCG4/1000G	R	866A, CR275/ 866A/3B28				4X250F	VPT	7204/ 4CX250F					
T01/2 QEL1/150	T VPT	3C23 7034/ 4X150A		2E24 2E25		2E24	VPT VPT	5557		OB4/1100GA	VPT	8438/ 4-400A				4X500A 4Y25 PC	VPT VPT PC	4X500A 807				7163	
CT1/2500	T	5559		2E26 2E30 2F21		2E26 2F21	VPT VPT MS	5618		O0V04-15 O0V04-20	VPT VPT	832A 815				OE05/40	VPT	6146A, 6146B/ 8298A					
TD1-100A OV1-150A	VPT VPT	7034/ 4X150A	2C39A	2G57A 2H28 2H66		2G57A 2H28 2H66	R R R	5557		4-65A 4-125A	VPT VPT	8165/4-65A 4-125A/ 4D21				OE05/40F	VPT	6883, 6883B/ 8032A/ 8552					
XG1-2500 CE1A/B C1B	T PD T	5559	918 3C23	2K26 2V/400A		2K26 2V/400A	K R	866A, CR275/ 866A/3B28		4-125A/ 4D21 4-125A/ 6155	VPT VPT VPT	8165/4-65A 4-125A/ 4D21 6155				OE05/40H OB5/2000	VPT VPT	6159, 6159B				8166/ 4-1000A	
C1B/A CE1C 1C21 CE1D 1EP1 1EP2	T PD G PD CR CR	918 1C21 868 1EP1 1EP2	3C23	2X2/879 2X2A 2XM600A		2X2 2X2A 2X2A	R R R	866A, CR275/ 866A/3B28		OY4-250 4-250A	VPT VPT	6156 4-250A/ 5D22				DCG5/ 5000GB DCG5/ 5000GS	R R	872A, CR274/ 872A 8008, CR273/ 8008					
1EP11 1F2 1G45P 1G84 1H16 C1J/A	CR RIT T T R T	1EP11 1L4 6130/3C45	884 816 3C23	OY3-125 RR3-250		2Y2 OEO3/10 OB3/200 OB3/300 OB3/300GA OY03-12	R RIT VPT VPT VPT RIT	5763 8165/4-65A 6155 4-125A/4D21 5763		TY4-350 OY4-400	VPT VPT	833A	8438/ 4-400A			O0V5-P10 O0V5-25 5-125B	VPT VPT VPT	3E29 807 4E27A/ 5-125B					
C1K C1K/6014 1K22 1L4 1P21 1P22	T T R RIT PM PM	C1K/6014 C1K/6014 1L4 1P21 1P22	2X2A	OY3-125 RR3-250		3-25A3 XH3-045 3-50A4 3-50G2 OY3-65 3-75A3	VPT T VPT VPT VPT VPT	809 6130/3C45 811A 812A		4-400A OY4-500A	VPT VPT	8438/ 4-400A 4X500A				NSL-5A CE5A/B 5ABP1 5ABP7 5ABP11 5ABP31	PC PD CR CR CR CR	872A, CR274/ 872A 8008, CR273/ 8008					7163 927
1P23 1P28 1P28A 1P29 1P29/FJ401 1P32	PD PM PM PM PD PD	868 1P28 1P28A 1P29 1P29 927		RG3-250A		3-450A4	VPT	8005		4-1000A	VPT	8166/ 4-1000A				5ADP1 5ADP11 5AGP1 5AGP11 5AHP7 5AUP24	CR CR CR CR CR CR	5ADP1 5ADP11 5AGP1 5AGP11 5AHP7 5AUP24					
1P37 1P39 1P40 1P41 1P42 CE1VA/B	PD PD PD PD PD PD	1P37 1P39 1P40 1P41 1P42	917, 919	3-450A4		3A4 3A5 3AP1 3AP1A 3AQP1 3B4WA	RIT RIT CR CR CR RIT	3A4 3A5 3AP1A 3AP1A 3AQP1 3B4WA		CE4A/B 4AP10	PD CR	4AP10	1P40, 930			5AYP4 5AZP4 5B250A 5BP1 5BP1A	CR CR VPT CR CR	No RCA Replacement 5AZP4 807 5BP1A 5BP1A					
DO2	R	866A, CR275/ 866A/3B28		3B24W 3B25 3B27 3B28		3B24W 3B25 3B27 3B28	R R R R	8020		4C22 4C25 4CX250B	VPT VPT VPT	7203/ 4CX250B				8005 812A							
DX2	R	3B28, CR275/ 866A/3B28		3B28/6277		3B28, CR275/ 866A/3B28	R	836		4CX250F	VPT	7204/ 4CX250F				5AUP24	CR	No RCA Replacement					
K2	R	866A, CR275/ 866A/3B28		3B28/6277		3B28, CR275/ 866A/3B28	R	836		4CX300A	VPT	8167/ 4CX300A				5AUP24	CR	No RCA Replacement					
T02 O0E02/5 DE2/200	T RIT R	6939		3BP1 3BP1A		3BP1 3BP1A	CR CR	604/7014 812A		4CX1000A	VPT	8168/ 4CX1000A				5AUP24	CR	No RCA Replacement					
OEL2/200 QB2/250	VPT VPT	7580 813		EL3C 3C21 3C23 3C33		3C21 3C23 3C33	VPT T VPT	604/7014 812A		4CX5000A	VPT	8170/ 4CX5000A				5AUP24	CR	No RCA Replacement					
OEL2/275	VPT	7203/ 4CX250B		3C45 3CX100A5 3D22 3D22A		3C45 3CX100A5 3D22 3D22A	T VPT T VPT	2C39A, 6897		4CX10000D	VPT	8171/ 4CX10000D				5AUP24	CR	No RCA Replacement					
OEL2/275H	VPT	7204/ 4CX250F		3E29 3E29A		3E29 3E29A	VPT VPT	2C39A, 6897		4CX15000A	VPT	8281/ 4CX15000A				5AUP24	CR	No RCA Replacement					
O0V02-6 P2-12	RIT VPT	6939 832A		3E29 3E29A		3E29 3E29A	VPT VPT	2C39A, 6897		CE4D 4D21	PD VPT	1P40, 930 4-125A/ 4D21				5AUP24	CR CR CR VPT	No RCA Replacement 5AUP24 807 5BP1A 5BP1A					
OY2-100 2-150D OV2-250B	VPT R VPT	813 7203/ 4CX250B	8020	3F65 3G22 3H150J		3F65 3G22 3H150J	VPT T VPT	8165/4-65A 3D22A 2C39A		4D21/ 4-125A 4D21A	VPT VPT	4-125A/ 4D21				5F22	VPT	4-250A/ 5D22 6156					
XG02-6400 CE2A/B	T PD	105 920		C3J C3J/5632 C3J/A		C3J C3J/5632 C3J/A	T T T	8165/4-65A 3D22A 2C39A		4D32	VPT	4-125A/ 4D21				5F22A 5F23	VPT VPT	4-250A/ 5D22 6156				8438/ 4-400A	

See page 11 for replacement information. Types in bold face are nearest similar types for general replacement purposes. 3

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1		2		3		4		1		2		3		4		1		2		3		4			
TYPE TO BE REPLACED		REPLACE BY RCA TYPE		SIMILAR RCA TYPE		TYPE TO BE REPLACED		REPLACE BY RCA TYPE		SIMILAR RCA TYPE		TYPE TO BE REPLACED		REPLACE BY RCA TYPE		SIMILAR RCA TYPE		TYPE TO BE REPLACED		REPLACE BY RCA TYPE		SIMILAR RCA TYPE			
BASIC DESIGNATION	TUBE CLASS			BASIC DESIGNATION	TUBE CLASS			BASIC DESIGNATION	TUBE CLASS			BASIC DESIGNATION	TUBE CLASS			BASIC DESIGNATION	TUBE CLASS			BASIC DESIGNATION	TUBE CLASS				
5FP7A 5FP7B 5FP14A 5FP15A 5G11 5G32	CR CR CR CR T T	5FP7A No RCA Replacement 5FP15A	5FP7A 710/6011 C3J/5632	6SN7GT 6V6Y 6V6GT 6X4W DQ7 NSL-7	RIT RIT RIT RIT R PC	6SN7GT 6V6Y 6V6GT 6X4W	5692 4503	DR17 TT17 FG17/5557/ NL715 PT-17-G1 P17A	T T T PD VPT	5557 5557 5557		CE36C CE36D RK37 RK38 RK39 40	PD PD VPT VPT VPT VPT		927 807	G40 OS40 TZ40 V40 OS40F VT-40L	R IO VPT R IO PC		869B 8020	869B	812A 810 812A	812A	5820A 811A 7293A S02527	927 812A 810 812A	
5G84 OED-5H6 OED-5H6A 5H69A 5HP1A 5R4GY	T PC PC R CR R	C3JA/5684 4404 SQ2503	DB7-36 DG7-36 OQV07-40 NSL-7A	CR CR VPT PC		3WP11 3WP1 829B 4403	17DWP4 HV18 FV20 K20 TZ20 G20/5d	CR VPT VPT PC VPT R	17DWP4		810 8000 SQ2502 809 869B	G40 OS40 TZ40 V40 OS40F VT-40L	R IO VPT R IO PC		810 809 869B	810 8000 SQ2502 809 869B	869B	8020	869B	812A 810 812A	812A	5820A 811A 7293A S02527	812A		
5R4GYA 5R4GYB 5TP4 5UP1 5UP7 5UP11	R R CR CR CR CR	5R4GY 5R4GYB	7BP7 7BP7A	CR VPT VPT VPT		7BP7A 7BP7A	7MP7*	RK20A OS20F KD21 PJ21 RL21 RX21	VPT IO G VPT VPT R		828 8093A 5556	HY40Z CE41 RK41 BK42 CE42 KU42	VPT PD VPT I PD T		828 8093A 5556	828 8093A 5556	828 8093A 5556		828 8093A 5556	828 8093A 5556	828 8093A 5556	828 8093A 5556	828 8093A 5556	828 8093A 5556	
5UP31 5WP11 5WP15 5ZP16 5ZP24 D06	CR CR CR CR CR R	5UP31 5WP11 5WP15 5ZP16	7F25 7H57 7JP1 7MP7 7NP4	VPT R CR CR CR		8166/ 4-1000A 857B	CE21A/B CE21C CE21D 21EYP4 CE22 PJ22	PD PD PD CR PD PD		920 920	920 920	NSL-45 RK45 B46 NSL-46 RK46 VT46A	PC VPT PC PC VPT R		920 920	920 920	920 920		920 920	920 920	920 920	920 920	920 920	920 920	920 920
NSL-6 WT6 OEO6/50 OV06-20	PC RT VPT VPT	6L6 807 6146A 6146B/ 8298A	7TP4 7VP1 7VP31 7WP4 KT8 PJ8	CR CR CR CR VPT VPT		807	UJX22 CEB22C CEB22C KU23 PJ23 CE23A/B	R PD PD VPT VPT PD		1616 IP41 868	1616 IP41 868	NSL-47 RK47 NE-48 RK48A SR50 UH50	PC VPT G VPT PD VPT		1616 IP41 868	1616 IP41 868	1616 IP41 868		1616 IP41 868	1616 IP41 868	1616 IP41 868	1616 IP41 868	1616 IP41 868	1616 IP41 868	
OV06-20B	VPT	6883 6883B/ 8032A/ 8552	B8.731.03 8D21 8F66R 8HP4 8JP4 8KP4	PC VPT VPT CR CR CR		4425	CE23C CE23D BK24 KD24 24G ATS25	PD PD I G VPT VPT		923 923	923 923	R50A HD51 RK51 R51A HY51B R51B	PD G VPT PD VPT PD		923 923	923 923	923 923		923 923	923 923	923 923	923 923	923 923	923 923	
OV06-20C NSL-6A	VPT PC	6159 6159B 4404	8MP4 8NP4 8OP4 871R Cds-9 Cds-9C	CR CR CR VPT PC PC		8HP4 8NP4	HY25 KD25 PRX25 RK25 PT-25-G2 CE25A/B	CR CR CR VPT PD PD		812A 807	812A 807	R51BV 51T HY51Z HD52 NSL-52 RK52	PD VPT VPT G PC VPT		812A 807	812A 807	812A 807		812A 807	812A 807	812A 807	812A 807	812A 807	812A 807	
6AC7W 6AC7Y 6AG5WA 6AG7Y	RIT RIT RIT RIT	6AC7W 6AC7W 6186/ 6AG5WA 6AG7Y	8MP4 8NP4 8OP4 871R Cds-9 Cds-9C	CR CR CR VPT PC PC		8HP4 8NP4	HY25 KD25 PRX25 RK25 PT-25-G2 CE25A/B	CR CR CR VPT PD PD		812A 807	812A 807	R51BV 51T HY51Z HD52 NSL-52 RK52	PD VPT VPT G PC VPT		812A 807	812A 807	812A 807		812A 807	812A 807	812A 807	812A 807	812A 807	812A 807	
6AK5W 6AK6 6AL5W 6AR6	RIT RIT RIT RT	5654/ 6AK5W 5654 5654/ 6AK5W/ 6096 5725 5725 6080 6080WA 6AS7G, 6080, 6080WA	9C21 9C22 9C25 Cds-9F Cds-9M MS-9S	VPT VPT VPT PC PC PM		5770* 5671* 4404 4448 937A, 4471, 4472	CEB25A/B RK25B CE25C CEB25C CE25D CEB25D	PD VPT PD PD PD PD		927 807 927 927	927 807 927 927	NSL-53 SR53 CE54 HK54 NSL-54	PM PC PD PD VPT PC		927 807 927 927	927 807 927 927	927 807 927 927		927 807 927 927	927 807 927 927	927 807 927 927	927 807 927 927	927 807 927 927		
6AS6 6AS6W 6AS7G 6AS7GA	RIT RIT RIT RIT	6AS6 6AS7G	MS-9SY 9T71 TT10 10KP7 10SP4 10Y	PM VPT VPT CR CR VPT		5770 5770	MKY-251 25T CV26 26A6 26A7GT 26C6	PD VPT VPT RIT RIT RIT		7163 809 813 26FZ6	7163 809 813 26FZ6	NSL-55 T55 NSL-56 56AVP F657 HY57	PC VPT PC PM T VPT		7163 809 813 26FZ6	7163 809 813 26FZ6	7163 809 813 26FZ6		7163 809 813 26FZ6	7163 809 813 26FZ6	7163 809 813 26FZ6	7163 809 813 26FZ6	7163 809 813 26FZ6		
6AS7GTB	RIT	6AS7G, 6080 6136	BW11 ORP-11 RK11 CE11VA/B CE11VC CE11VD	VPT PC VPT PD PD PD		834	26D6 26FZ6 RPY27 FG27A RK28 RK28A	RIT RIT PC T VPT VPT		26D6 26FZ6 4403 5559 8121 8121	26D6 26FZ6 4403 5559 8121 8121	NSL-57 RK57 WL57 R59A R59B CE59R R59TAV	PC VPT T PD PD PD PD		26D6 26FZ6 4403 5559 8121 8121	26D6 26FZ6 4403 5559 8121 8121	26D6 26FZ6 4403 5559 8121 8121		26D6 26FZ6 4403 5559 8121 8121	26D6 26FZ6 4403 5559 8121 8121	26D6 26FZ6 4403 5559 8121 8121	26D6 26FZ6 4403 5559 8121 8121	26D6 26FZ6 4403 5559 8121 8121	26D6 26FZ6 4403 5559 8121 8121	
6A6W 6BE6W EL6BL 6C24 6D22	RIT RIT R VPT VPT	5749/ 6BA6W 5750 635/7019 5786 4X500A	HV12 RK12 RY12-100 12A6 12AT7WA 12AT7WB	VPT VPT R RIT RIT RIT		8000 809	CE29 CE29D CE29R ORP-30 TG30 CE30A/B	PD PD PD PC T PD		929 929	929 929	HF60 HY60 ORP-60 SK60 T60 R60A	VPT VPT VPT PD VPT PD		929 929	929 929	929 929		929 929	929 929	929 929	929 929	929 929	929 929	
6D78 6F4 6F50R 6G21 6G58 6G85	RIT RIT VPT T T T	6D78 6F4 4X500A C6J/5C21 760/6858 C6JA/5685	12AU7WA 12DP7A 12K8Y 12SA7Y 12SG7Y	RIT RIT RIT CR RIT RIT		5814A, 5814WA	CE30C CE30D CE30VA/B CE30VC CE30VD 30Z	PD PD PD PD VPT		930, 1P40 930, 1P40 925 925	930, 1P40 930, 1P40 925 925	VT-60L PM61 HY61/807 R61A R61AV R61B	PC PM VPT PD PD PD		930, 1P40 930, 1P40 925 925	930, 1P40 930, 1P40 925 925	930, 1P40 930, 1P40 925 925		930, 1P40 930, 1P40 925 925	930, 1P40 930, 1P40 925 925	930, 1P40 930, 1P40 925 925	930, 1P40 930, 1P40 925 925	930, 1P40 930, 1P40 925 925	930, 1P40 930, 1P40 925 925	
C6J C6J/5C21 C6J/A 6J4 6J4WA 6J4WB 6J6WA C6JA/5685 6L4 605G 6SA7Y 6SG7Y 6SJ7WGT 6SJ7Y 6SL7WGT	T T T RIT RIT RIT RIT RIT T T RIT RIT RIT	C6J/5C21 C6J/5C21 C6JA/5685 6J4, 8532/ 6J4WA 8532/6J4WA 8532/6J4WA 6J4WA 6J4WA C6JA/5685 6L4 884 6SA7Y 6SG7Y 6SJ7Y 6SJ7Y 6SL7WGT	12SK7Y 12SW7 12SX7GT 12SY7 MF13-1 DB13-2 DG13-2 DG13-32 DG13-34 MW13-35 14BAP4 TT16 TT16/D C16J C16J/5665 17	RIT RIT RIT RIT RIT CR CR CR CR CR VPT T T T		5693 5693 5691	EN32 FG32 WL32 A33 CE340 CE34R A35 A35A 35T 35TG RK36 CE36A/B	R R PC R PD PD PC PC VPT VPT VPT PD		2050A 5558 5558 S02519 934 934	2050A 5558 5558 S02519 934 934	TY-66G HY69 DY70 EC70 ECC70 V70D EC71 EF71 EL71 R71A R71AV EF72	T VPT R RIT RIT RIT RIT RIT		2050A 5558 5558 S02519 934 934	2050A 5558 5558 S02519 934 934	2050A 5558 5558 S02519 934 934		2050A 5558 5558 S02519 934 934	2050A 5558 5558 S02519 934 934	2050A 5558 5558 S02519 934 934	2050A 5558 5558 S02519 934 934	2050A 5558 5558 S02519 934 934	2050A 5558 5558 S02519 934 934	

For key to symbols in Column 2 and explanations of Columns 3 & 4, See page 2.

RCA INTERCHANGEABILITY DIRECTORY

Table with 4 columns of sub-headers (1-4) for 'TYPE TO BE REPLACED' and 'REPLACE BY RCA TYPE'. Each sub-header is further divided into 'BASIC DESIGNATION' and 'TUBE CLASS'. The table lists numerous vacuum tube types and their interchangeability details.

* See page 11 for replacement information. Types in bold face are nearest similar types for general replacement purposes.

RCA INTERCHANGEABILITY DIRECTORY

1		2		3		4		1		2		3		4	
TYPE TO BE REPLACED		REPLACE BY RCA TYPE	SIMILAR RCA TYPE	TYPE TO BE REPLACED		REPLACE BY RCA TYPE	SIMILAR RCA TYPE	TYPE TO BE REPLACED		REPLACE BY RCA TYPE	SIMILAR RCA TYPE	TYPE TO BE REPLACED		REPLACE BY RCA TYPE	SIMILAR RCA TYPE
BASIC DESIGNATION	TUBE CLASS			BASIC DESIGNATION	TUBE CLASS			BASIC DESIGNATION	TUBE CLASS			BASIC DESIGNATION	TUBE CLASS		
7717/6CY5	RIT	7717/6CY5	12AX7A	8092A	IO	8092A	8673	8295	VPT	8166/ 4-1000A.	8644 8645 8673 8673/S 8674 8674/S	PM	8644	8645 8673 8673/S 8674 8674/S	
7724	RIT	7724/14GT8		8092A/S	IO	8092A/S		8295A	VPT	7213		8644			
7724/14GT8	RIT	7724/14GT8		8093	IO	8093A				8166/ 4-1000A.		9001			
7728	RIT	6201		8093A	IO	8093A				7213		9002			
7729	RIT	6189/ 12AU7WA		8093A/E	IO	8093A/L						9003			
7730	RIT			8093A/L	IO	8093A/L						9005			
												9006			
7731	RIT		6678/6U8A	M8096	RIT	5763	4423	8298	VPT	6146B/ 8298A	8644 8645 8673 8673/S 8674 8674/S	PM	9001	9001 9002 9003 9005 9006	
7732	RIT		6CB6	8100	PC	8298A	8298A	VPT	6146B/ 8298A	9002					
7733	RIT		5814A,5963	M8100	RIT	5654/6AK5W				9003					
7735	VID	7735B		8121	VPT	8121				9005					
7735A	VID	7735B		8122	VPT	8122				9006					
				8134	VID	8134				9524C					
												6199			
7735B	VID	7735B		8134/V1	VID	8134/V1		8321	VPT	7203/ 4CX250B	9530B	PM	9530B	8055	
7746	PM	7746		M8136	RIT	6189/ 12AU7WA		8322	VPT	7204/ 4CX250F	9536B	PM	9536B	6342A,8053	
7764	PM	7764						8345	PC	4425	9558B	IO	9564	7265	
7767	PM	7767						8346	PC	502523	9565	IO	9565		
7801	VPT	7801	6342A	8149	VPT			8347	PC	502500	9578B	PM	9578B	8054	
7817	PM		8055					8298A	VID	7735B	9579B	PM	9594B	8055	
7819	PM		5671					8355	TW	8379	9677	VID	9677	8575	
7835	VPT	7835						8379	VPT		9677A	VID	9677A	8507, 8572	
7838	VPT							8386	RIT	8393	9806	VID	9806	8507, 8572	
7842	VPT	7842						8393	RIT		9806PA	VID	9806PA	7735B	
7843	VPT	7843						8415	VPT			VID		8507	
7844	VPT	7844		8150	VPT			8434	R	575A,6894	9807	VID	9807	7735B	
7850	PM	7850	829B					8435	R	673,6895	9807PA	VID	9807PA	8507	
7854	VPT		7767					8437	VPT	8437	9808	VID	9808	7735B	
7850	PM			8156	RIT	8156		8438/ 8032A/ 8552	VPT	8438/ 4-400A	9808PA	VID	9808PA	8507	
7866	IO	8092A		8161/ 816/	VPT			4-400A	VPT	8462	9811	VID	9811	7262A	
Z7866	IO	8092A, 8092A/S		3X2500A3	VPT			8474	PC		9812	VID	9812	7735B	
7870	VPT	7870	7801*	M8162	RIT	12A77WA		8475A	PC	7412	9812PA	VID	9812PA	8507	
7895	RIT	7895		8163	VPT			8476	PC	7412	9813	VID	9813	8134	
7898	RIT	7898		8164	VPT			8476	PC	4402	9814	VID	9814	7263A	
7900	VPT	7905	5762/7C24					8477	PC	4402	9814PA	VID	9814PA	4503	
7905	RIT	7905						8477A	PC	4402	9815	VID	9815	7735B	
7911	VPT		7649					8478	PC	4413	9817	VID	9817	7735B	
7967	IO	7967		8165/4-65A	VPT	8165/4-65A		8480	VID	8480	9817PA	VID	9817PA	8507	
7984	VPT		6883B/ 8032A/ 8552	4-1000A	VPT	8166/ 4-1000A		8480/V1	VID	8480/V1	9830PA	VID	9830PA	8521	
				8167/ 4CX300A	VPT	8167/ 4-1000A		8483	VID		9831	VID	9831	8480	
8000	VPT	8000		8168/ 4CX1000A	VPT	8168/ 4CX1000A		8484	VID		9831	VID	9831	6130/3C45	
8001	VPT		4E27A/ 4-125B					8485	VID	8507	10667F	VID	10667F	7038	
								8500	VPT	7650	10667G	VID	10667G	7735B	
				8170/ 4CX5000A	VPT	8170/ 4CX5000A		8501	VPT	8501	10667M	VID	10667M	4478	
8005	VPT	8005		8171/ 4CX10000D	VPT	8171/ 4CX10000D		8507	VID	8507	10667S	VID	10667S	7735B	
8008	R	8008,CR273/ 8008		8172	VPT			8511	VID	7262A	10667SC	VID	10667SC	7735B	
8013A	R	8013A	5786					8521	VID	8521	10667T	VID	10667T	7735B	
8014A	VPT							8532	RIT	8532/6J4WA	GLE13000/ 1.5/6	R	872A,CR274/ 872A		
8016	RT	1G3GT, 1B3GT						8532/6J4WA	RIT	8532/6J4WA		R			
8020	R	8020		8172/ 4X150G	VPT			8541	VID	8507	GLE15000/ 1/4	R	872A,CR274/ 872A	869B	
8020/100R	R	8020						8552	VPT	6883B/ 8032A/ 8552	GLE20000/ 2.5/10	R			
8032	VPT	8032						8560	VPT	8560	38166	R	866A,CR275/ 866A/3B28		
				8184	VPT	8184		8566	VID	8507, 8572	38172	R	872A,CR274/ 872A		
8032A	VPT	6883B/ 8032A/ 8552		M8196	RIT	5725		8567	VID						
				8203	RIT	8203		8568	VPT	8568	OY53000A	VPT	55850F		
8042	VPT		4604	M8204	T	5727		8571	PM	8571	55850N	VID	55850N	7038	
8051	VID	8051		M8212	RIT	5726		8572	VID	8572	55850S	VID	55850S	7735B	
8053	PM	8053		M8223	G	OAZWA		8573	VID	8573		VID		7735B	
				M8224	G	OB2WA									
8054	PM	8054						8575	PM	8575	56000	R	8020		
8055	PM	8055		8226	VPT	8226		8576	VPT		5762/7C24	RIT	6922		
8056	GA	8056		8227	VPT	8227		8582	PC		7412	PC		4403	
8057	RIT	8057	1949	M8232	RIT	6J4WA, 8532/6J4WA		8582A	PC		7412	PC		4453	
8058	RIT	8058						8587	VPT	8587	MBI T/N 11675	PC			
8062	PM		7102	8239/ 3X3000F1	VPT	8239/ 3X3000F1		8587/ 4605V2	VPT	8587	SBS	I	5551A		
				8245	VPT			8596	VID	8596	SCS	I	5552A		
8072	VPT	8072						8604	VID		TGRA	R	575A		
8077	RIT	8077/7054	7054	M8245	RIT	6005		8625	VID		TGRB	R	872A,CR274/ 872A		
8077/7054	RIT	8077/7054	7054	8269	VPT			8626	VID	8572	TVTA	VPT	892		
M8079	RIT	5726		8281/ 4CX15000A	VPT	8281/ 4CX15000A	5762/7C24	8627	VID	8573	TVTB	VPT	833A		
M8081	RIT	6101		8293	RIT	8293		8628	RIT	8628	TVTC	VPT	889A		
8092	IO	8092A							RIT	8628	TVTE	VPT	889A		

Information contained herein has been carefully checked and is believed to be reliable but no responsibility is assumed for possible inaccuracies. The reporting of any discrepancies to Commercial Engineering, RCA, Harrison, N.J., will be appreciated.

REPLACEMENT INFORMATION

For RCA Types Recently Withdrawn or Limited to Inventory

TYPE TO BE REPLACED	SIMILAR RCA TYPE	REPLACEMENT INFORMATION*	TYPE TO BE REPLACED	SIMILAR RCA TYPE	REPLACEMENT INFORMATION*	TYPE TO BE REPLACED	SIMILAR RCA TYPE	REPLACEMENT INFORMATION*	TYPE TO BE REPLACED	SIMILAR RCA TYPE	REPLACEMENT INFORMATION*
4E27/8001	4E27A/ 5-125B	ADF	830B	8005	ABF	SQ2531V1	SQ2529	H	SQ2533V6	4453	H
5R4GY	5R4GYB	H	834	812A	ABCD	SQ2531V2	SQ2508	H	SQ2533V7	4403	H
6L4	6F4	A	838	812A	BCF	SQ2531V3	SQ2508	H	4408	7163	H
7BP7A	7MP7	AH	860	8072	ABCE	SQ2531V4	SQ2519	H	4424	4425	H
8KP4	8NP4	J	885	884	BCJ	SQ2531V5	SQ2536	H	4602	6949	C
9C21	5770	ABD	891	892	A	SQ2531V6	SQ2536	H	5588	6161	B
9C22	5671	AB	954	9001	CH	SQ2532	SQ2525	H	5592	9C25	B
635L/7020	635/7019	C	956	9003	CH	SQ2532V1	SQ2521	H	6849	7198A	A
801A	807	ABCFK	958A	9002	CH	SQ2532V2	SQ2526	H	6893	2E26	B
802	807	AC	1631	6L6	B	SQ2532V3	SQ2527	H	7358	6293	A
803	8121	ABCE	1645A	934	A	SQ2532V4	SQ2520	H	7448	7315	A
804	828	ABC	2029	6806	AG	SQ2533	4451	H	7536	SQ2508	H
805	8005	ACJ	2048A	7263A	D	SQ2533V1	4450	H	7580	7203/ 4CX250B	A
809	8005	AB	SQ2504	4448	H	SQ2533V2	SQ2503	H	7580W/ 4CX250R	7203/ 4CX250B	A
814	828	A	SQ2505	4403	H	SQ2533V3	7163	H	7870	7801	B
815	829B	ABCD	SQ2506	7163	H	SQ2533V4	4448	H			
			SQ2531	SQ2529	H	SQ2533V5	4404	H			

* REPLACEMENT CLASSIFICATION KEYS

Replacement information is based primarily on electrical and mechanical similarity of the types covered. The technician should make certain that replacement is in accord with all safety precaution required by the equipment for tube insulation or mechanical mounting.

- A. The replacement type may require circuit modifications to handle different maximum ratings and/or typical operating characteristics.
- B. The replacement type has different heater/filament voltage and/or current requirements.
- C. The replacement type requires a different socket and/or socket connections.
- D. The replacement type may require different terminal connections.
- E. The replacement type requires a different cooling method.
- F. The replacement type requires slightly more space in the equipment.
- G. The replacement type may have different cooling requirements.
- H. The replacement type has a different package or envelope.
- J. The replacement type is shorter.
- K. With plate and screen tied together.

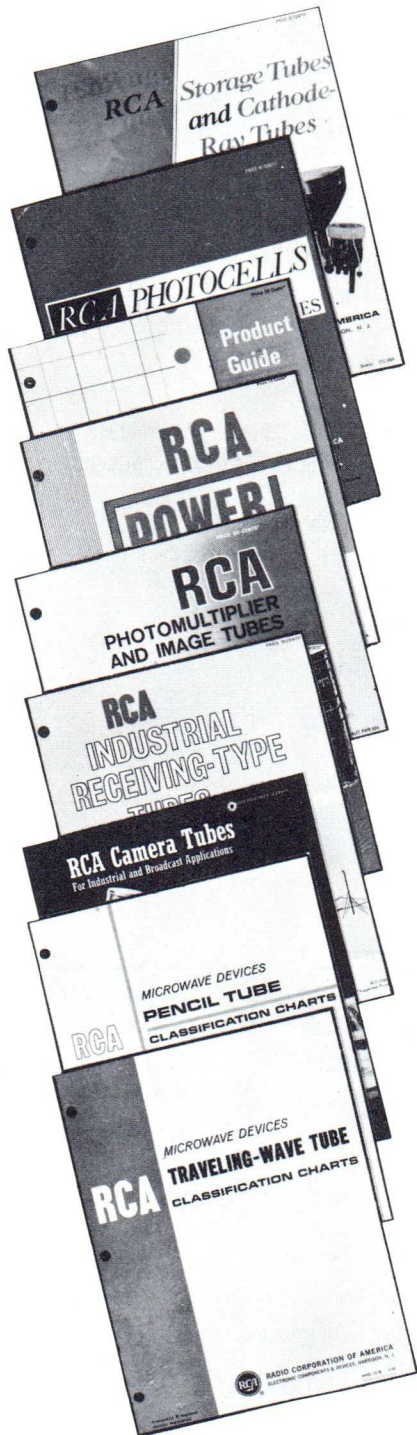
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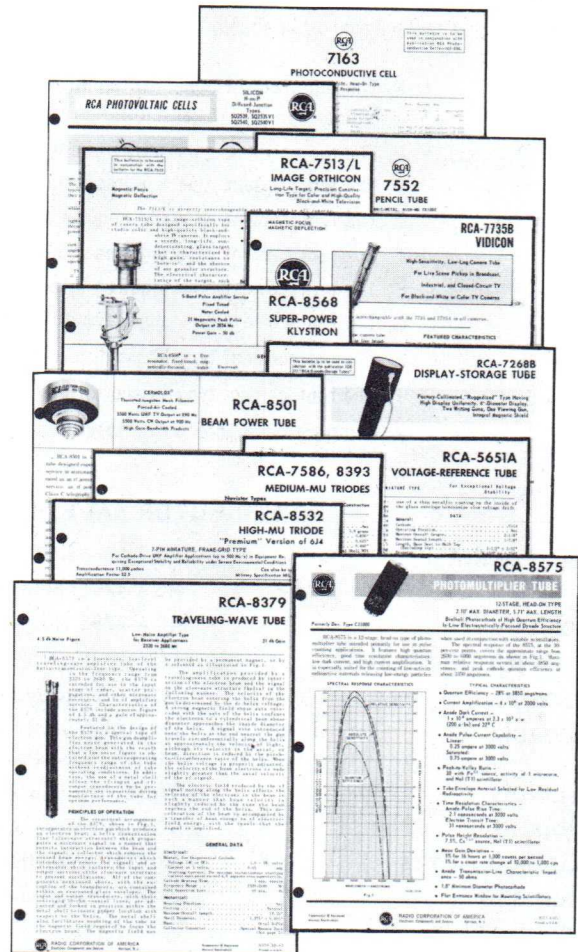
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