

# SOLID-TUBE<sup>®</sup> INDUSTRIAL RECTIFIER TUBE REPLACEMENTS

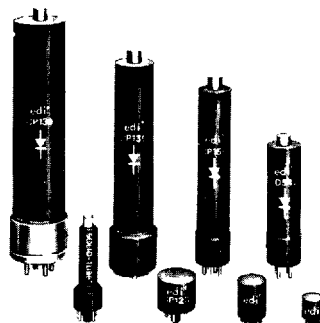
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T-2

THESE SOLID-TUBE<sup>®</sup> INDUSTRIAL TYPES ARE SILICON RECTIFIERS DESIGNED ON STANDARD TUBE BASES FOR DIRECT PLUG-IN REPLACEMENT OF VACUUM AND GASEOUS RECTIFIER TUBES.

THEY OFFER THESE DISTINCT ADVANTAGES:

- NO NEED FOR FILAMENT TRANSFORMER
- SOLID-STATE RELIABILITY
- MODERNIZATION OF EQUIPMENT
- CONSTANT OUTPUT
- LONG LIFE
- COMPACT RUGGED CONSTRUCTION
- FAST WARM UP



## CROSS REFERENCE LIST

RECTIFIER TUBE	EDI REPLACEMENT	RECTIFIER TUBE	EDI REPLACEMENT	RECTIFIER TUBE	EDI REPLACEMENT	
OZ4	CP104	6AX4,	} CP125	117Z4GT	CP101	
1X2	CP176	6AX4GT		117Z6GT	CP102	
2-25A	CP151	6AX5	CP111	217C	CP133	
2-50A	CP156	6BL4	CP125	250R	CP177	
2-240A	CP154	6BW4	CP110	253	CP143	
2-450A	CP157	6BY5GA	CP124	371A	CP178	
3B24, 3B24W,	} CP150	6CA4	CP103	481B	CP152	
3B24WA		6DA4	CP125	575A	CP138	
3B25	CP127	6DE4	CP129	576A	CP175	
3B26	CP140	6DM4A 6U4	CP125	579B	CP149	
3B28	CP134	6V3A	CP130	583	CP146	
3B29	CP144	6W4,	} CP125	673	CP139	
4B31	CP145	6W4GT		816	CP132	
4B32	CP135	6W5	CP111	836	CP131	
5AU4	CP112	6X4	CP106	866, 866A,	} CP134	
5AW4, 5AX4,	} CP114	6X4 HiAlt.	CP108	866AX		
5AZ4		CP122	6X5, 6X5G,	} CP111	869	CP179
5R4, 5R4W	CP123	6X5GT, 6ZY5,	CP111		872, 872AX	CP135
5R4WGA	} CP123	6ZY5G	} CP115	1616	CP131	
5R4WGB		7Y4, 7Z4		CP126	5517	CP121
5T4, 5U4,	} CP114	12AF3	CP126	5558/32	CP128	
5U4G, 5U4GB,		12AX4,	} CP125	5839, 5852	CP111	
5V3, 5V4,		12AX4GT		CP125	GB5931	CP119
5V4G, 5V4GA		12AX4GTA		CP110	5931	CP112
5W4	CP112	12BW4	CP110	5934	CP148	
5X4, 5X4G	CP111	12D4	CP125	6004	CP114	
5Y3, 5Y3G,	} CP114	12X4	CP106	6063	CP109	
5Y3GT		12X4 HiAlt	CP108	6087, 6106	CP112	
5Y4, 5Y4G,	} CP116	80, 82, 83, 83V	CP117	7136	CP142	
5Y4GT		84/6Z4	CP105	7789	CP141	
5Z3	CP117	117Z3	CP100	7792	CP153	
5Z4	CP114			8008,	} CP136	
6AF3	CP126			8008XE		
6AU4,	} CP125			8020	CP158	
6AU4GT,				RX21A	CP137	
6AU4GTA						

The CP series of SOLID-TUBE is designed for use at power frequencies. Should you require a rectifier replacement not listed or for higher frequencies consult the factory.



## ELECTRONIC DEVICES, INC.

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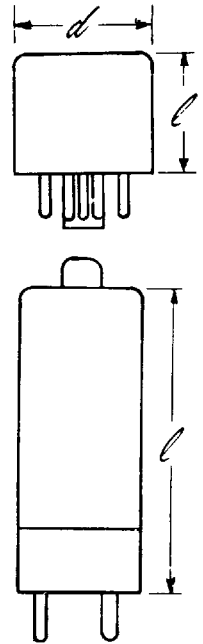
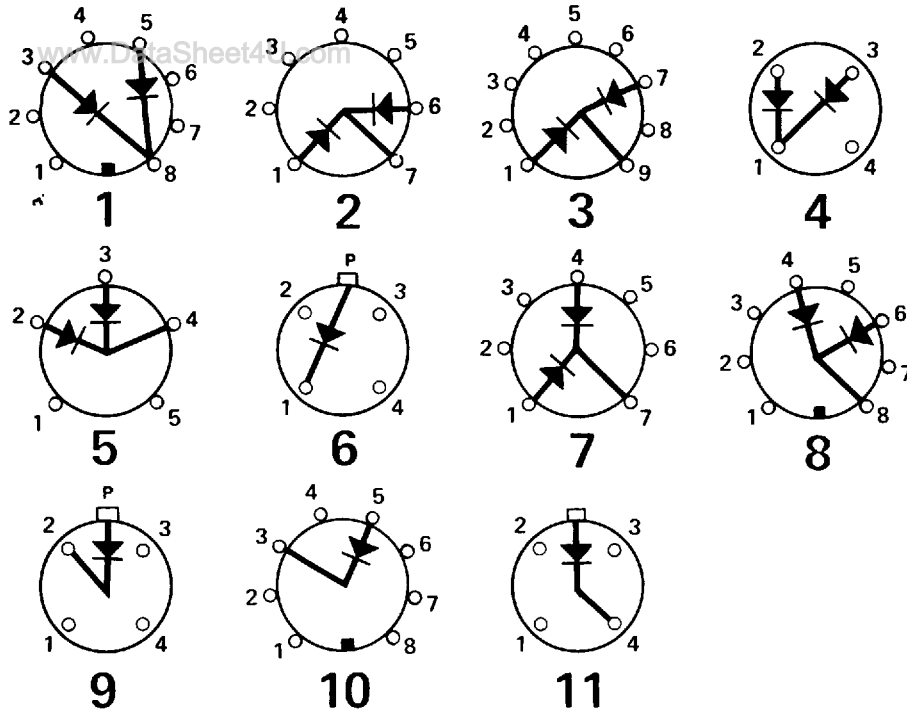


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# BASE DIAGRAMS

T-23-23

# OUTLINES



## ELECTRICAL SPECIFICATIONS

## MECHANICAL DIMENSIONS

EDI TYPE	ABSOLUTE MAXIMUM PIV†	MAXIMUM DC OUTPUT MA @ 75°C	NOMINAL DC VOLTAGE DROP @ 25°C†	OUTLINE	d (INCHES)	l (INCHES)	BASE DIAG.	BASE TYPE	CAP TYPE
CP104	1250	150††	2.0	A	1.38	1.13	1	OCTAL	—
CP105	1500	150	2.0	A	1.38	1.13	5	A5-11	—
CP106	1500	150	2.0	A	0.63	0.75	2	MIN. 7	—
CP108	1500	150	2.0	A	0.63	0.75	7	MIN. 7	—
CP109	1600	500††	2.0	A	0.63	1.25	2	MIN. 7	—
CP110	1600	500††	2.0	A	0.88	0.75	3	MIN. 9	—
CP111	1600	750	2.0	A	1.38	1.13	1	OCTAL	—
CP112	1600	750††	2.0	A	1.38	1.13	8	OCTAL	—
CP113	1600	750††	2.0	A	1.38	1.13	8	OCTAL	—
CP114	1600	750	2.0	A	1.38	1.13	8	OCTAL	—
CP116	1600	750††	2.0	A	1.38	1.13	1	OCTAL	—
CP117	1600	750	2.0	A	1.38	1.13	4	A4-9	—
CP119	1800	500	2.0	A	1.38	1.13	8	OCTAL	—
CP120	2800	250	4.0	A	1.38	1.13	8	OCTAL	—
CP122	2800	500††	4.0	A	1.38	1.13	8	OCTAL	—
CP125	4500	250††	8.0	A	1.38	1.13	10	OCTAL	—
CP129	5000	250	8.0	A	1.38	1.13	10	OCTAL	—
CP131	7000	500	12.0	B	1.38	5.50	6	A4-10	C1-5
CP132	8000	250	12.0	B	1.38	4.13	6	A4-9	C1-1
CP134	10000	500	14.0	B	1.38	5.50	11	A4-10	C1-5
CP135	10000	1250	14.0	B	1.87	8.19	9	A4-29	C1-5
CP136	10000	1250	14.0	B	2.22	7.78	9	A4-18	C1-5
CP138	15000	1750	20.0	B	1.87	8.19	9	A4-29	C1-5
CP139	15000	1750	20.0	B	2.22	9.70	9	A4-18	C1-5
CP150	20000	100	30.0	B	1.38	4.13	9	A4-10	375
CP158	40000	100	60.0	B	1.38	7.25	6	A4-10	C1-5
CP175	30000	750	40.0	B	1.88	6.75	9	A4-81	.375
CP176	30000	5	60.0	B	0.88	2.52	—	MIN. 9	.250
CP177	60000	500	70.0	B	1.88	9.19	9	A4-29	C1-1
CP178	25000	500	30.0	B	1.88	8.50	9	A4-28	C1-1

If the tubes to be replaced are operating at or near their maximum PIV rating, please consult our applications group for proper recommendation

† Per Section

†† 100°C