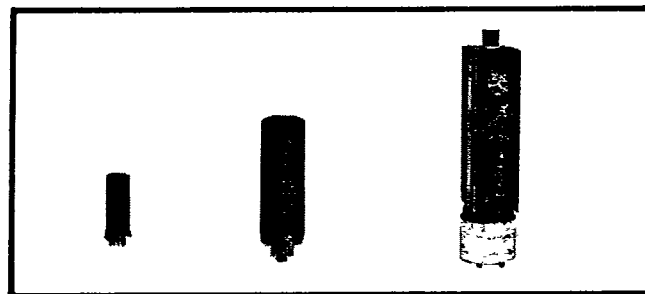


SEMICONDUCTORS

Tube replacement silicon rectifiers are widely used where efficiency, good regulation and reliability are important considerations. Elimination of filament power substantially reduces in-cabinet ambients to increase reliability of all components. Typical types are listed, but many variations can be provided by simple internal changes. All units have avalanche characteristics for maximum reliability and ease of application.



Replacement for Tube Type	Jedec No.	ST-Semicon Type	Amps, DC (100°C)	Max. per Section		DC Output Current MA, Max.	Dimensions in., Max.			Pins☆	All Dimensions Are Equal or Less Than Those of Replaced Tube's Envelope
				Peak Inverse Volts	Peak Rectifier Current		A	B	C		
6AU4, 6AX4, 6BL4, 6W4, 12AX4, 17AX4, 25W4	1N1262	S-5033	0.25	4500	2500	250**	3 3/4	1 3/8	4 3/8		
6020*		S-5367	2.50	19000	2500	250**	6 1/4	2 1/8	6 7/8		
816, 836 or 3B28 and 866 at reduced voltage		S-5343	0.3	7000	3000	300**	3 1/2	1 1/4	4 1/2		
866, 866A, 3B28		S-5130		10400	3000	300**	4 1/8	1 1/4	5		
5R4	1N1239	*S-5019	0.5	2800	5000	500	3 3/4	1 3/8	4 3/8		
6X4	1N2490	*S-5207		1600	5000	500	1 1/8	1 3/8	1 13/16		
5AU4, 5AW4, 5AZ4, 5T4, 5U4, 5V4, 5W4, 5Y3, 5Z4	1N2389 1N2389	S-5251 S-5991	0.6	1600	6000	600	1 3/4	1 1/4	2 1/4		
80, 82, 83, 83V, 5Z3	1N1150A	S-5011A	0.75	1600	8000	750	2 7/8	1 1/4	3 1/2		
OZ4, 5X4, 5Y4, 6AX5, 6X5	1N1237	S-5017		1600	8000	750	2 7/8	1 1/4	3 1/2		
5AU4, 5AW4, 5AZ4, 5T4, 5U4, 5V4, 5W4, 5Y3, 5Z4	1N1238	S-5018		1600	8000	750	2 7/8	1 1/4	3 1/2		
12BW4, 6BW4		*S-5347	0.5	1600	5000	500	2	1 3/8	2 1/4		
872A		S-6697	1.2	10000	10000	†1250	6 3/8	3	8 3/8		
575A		S-6697	1.5	15000	10000	†1500	6 3/8	3	8 3/8		
8008		S-6302	1.2	10000	10000	†1250	6 3/8	2 3/8	11 3/8		
		S-6698	1.2	10000	10000	†1250	6 3/8	3	8 3/8		

☆ cathode*; anode*; Numbered terminals are wired, others are blank.

★ Hermetically sealed.

† These Units are Rated at 1250 MA Resistive-Inductive Load; 1000 MA Capacitive Load with Forced Air Cooling of 1000 LFM. Convection Cooled Rating is 750 MA, R-I Loads, 600 MA Capacitive Load.

‡ This Unit is Rated at 1500 MA R-I Load; 1200 MA Capacitive Load with Forced Air Cooling of 1000 LFM. Convection Cooled Rating is 750 MA, R-I Loads, 600 MA Capacitive Load.

* At Reduced Voltage (8020 has PIV of 40000 Volts).

** Rating is for Resistive Load; Derate DC Output Current by 20% for Capacitive Load.