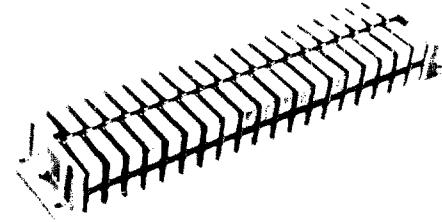


## HIGH VOLTAGE RECTIFIER COLUMNS: NUMBERING AND RATINGS

**1H V8 A 50**



Module Symbol	Type of Circuit	Type of Diode	Max. PRV of Each Diode VRRM (Volts)	Maximum Number of Modules Per Column (DIODES)	IF(AV) = Approximate Maximum Average Current at 120° Conduction (T-Circuit)				Maximum Surge Current 60 Hz	
					Natural Convection TA = 40°C	Forced Convection @ 1000 LFM TA = 40°C	Oil Immersed TA = 70°C	Water Cooled @ 3 GPM TW = 40°C	1 Cycle	6 Cycles
1H	Standard Circuits V - Half Wave D - Doubler Q - Quadrupler S - Single Phase Bridge T - Three Phase Bridge	J-60S K-12F-A R-16F	1000 1200 1200	98 (196 Diodes)	2.8 2.8 3.0	5.0 11.0 12.0	5.0 11.0 12.0	N.A. N.A. N.A.	400 280 370	235 150 200
2H	J-60S JJ-2J's (para.) K-12F-A R-16F	1000 1000 1200 1200	148 74	3.0 3.2 4.0 4.0	5.5 7.0 12.0 12.5	5.5 8.6 12.0 12.5	N.A. N.A. N.A. N.A.	400 800 280 370	235 270 150 200	
3H	L-40HF P-70HF M-85HF	1600 1600 1600	38 (76 Diodes)	7.0 7.0 8.0	17.0 17.0 22.0	33.0 33.0 36.0	N.A. N.A. N.A.	500 1,050 1,500	330 750 1,100	
4H	K-12F R-16F L-40HF P-70HF M-85HF	1200 1200 1600 1600 1600	50 (50 Diodes)	12.0 16.0 19.0 20.2 25.8	12.0 16.0 29.5 38.0 45.0	12.0 16.0 31.0 39.7 47.0	N.A. N.A. N.A. N.A. N.A.	280 370 500 1050 1500	150 200 330 750 910	
8H	D-10D S-30S J-60S	1000 1000 1000	65 (65 Diodes)	1.5 2.8 3.0	2.0 4.0 5.8	2.5 4.0 5.8	N.A. N.A. N.A.	50 150 400	27 78 235	
20H	L-40HF P-70HF M-85HF	1600 1600 1600	34 (68 Diodes)	25.0 25.0 35.0	45.0 55.0 65.0	40.0 40.0 45.0	N.A. N.A. N.A.	500 1,050 1,500	330 750 1,100	
21H	N-101KL Q-150K	1600 1200	22 (44 Diodes)	40.0 60.0	80.0 120.0	55.0 85.0	N.A. N.A.	2,500 3,000	1,400 2,350	
22H	L-40HF P-70HF M-85HF N-101KL Q-150K	1600 1600 1600 1600 1200	17 (34 Diodes)	30.0 30.0 38.0 43.0 65.0	50.0 60.0 70.0 90.0 135.0	50.0 50.0 55.0 70.0 125.0	N.A. N.A. N.A. N.A. N.A.	500 1,050 1,500 2,500 3,000	330 750 1,100 1,400 2,350	
23H	U-R23D U-R23D	2500 2500	20 (20 Diodes)	65.0 70.0	145.0 150.0	135.0 170.0	N.A. N.A.	6,800 6,800	4,000 4,000	
26H	A-R23A B-R34B	1600 3000	28 16	35.0 55.0	40.0 65.0	95.0 160.0	N.A. N.A.	6,800 15,000	4,000 9,000	
27H	K-R52K N-R77R	5000 5000	16 12	70.0 90.0	90.0 105.0	270.0 350.0	N.A. N.A.	28,000 63,500	17,000 38,000	
28H	A-R23A B-R34B	2600 3000	28 16	80.0 90.0	160.0 225.0	185.0 300.0	N.A. N.A.	6,800 15,000	4,000 9,000	
29H	K-R52K N-R77R	5000 5000	16 12	95.0 105.0	270.0 360.0	350.0 470.0	N.A. N.A.	28,000 63,500	17,000 38,000	
30H	A-R23A B-R34B K-R52K N-R77R	2600 3000 5000 5000	15 11 11 9	N.A. N.A. N.A. N.A.	N.A. N.A. N.A. N.A.	N.A. N.A. N.A. 2000	400 680 1350	6,800 15,000 28,000	4,000 9,000 17,000	
36H	N-R77R	5000	9	N.A.	N.A.	N.A.	2000	63,500	38,000	

PEAK REPETITIVE REVERSE VOLTAGE RATING OF EACH DIODE VRRM

- 6-600 Volts
- 8-800 Volts
- 9-900 Volts
- 10-1000 Volts
- 12-1200 Volts
- 14-1400 Volts
- 16-1600 Volts
- 18-1800 Volts
- 20-2000 Volts
- 22-2200 Volts
- 24-2400 Volts
- 25-2500 Volts