

TENTATIVE RATINGS

NEW EXTERNAL ANODE DIODES

CHARACTERISTICS & RATINGS	RECTIFIER TYPE X-4	RECTIFIER CLIPPER 541	RECTIFIER CLIPPER 548	RECTIFIER TYPE 552	RECTIFIER CLIPPER 7159
MECHANICAL DATA					
Dimensions	Per Drawing	Per Drawing	Per Drawing	Per Drawing	Per Drawing
Mounting Position	Any	Any	Any	Any	Any
Type of Cooling.....	Radiation	Liquid	Liquid	Radiation	Liquid
Shock Rating	300 g	—	300 g	300 g	300 g
Vibration Ratings 10-500 cps	10 g	—	10 g	10 g	10 g
Maximum Bulb Temperature	265°C	265°C	265°C	265°C	265°C
Coolant Temperature	—	-60°C+165°C	-60°C+165°C	—	-60°C+165°C
Net Weight	0.5 oz.	3.6 oz.	5.3 oz.	0.7 oz.	1.4 oz.
ELECTRICAL DATA					
Rectifier Ratings					
Heater Voltage Vac.....	6.3	5.0	11.5	2.5	6.3
Heater Current Aac.....	.63	14.0	15.25	1.67	3.5
Cathode	coated unipotential	thoriated tungsten filament	bonded thoria filament	bonded thoria filament	coated unipotential
Peak Inverse Voltage.....	3 kv	25 kv	33 kv	20 kv	17 kv
Peak Plate Current.....	.280 a	2.5 a	2.7 a	.04 a	.470 a
Average Plate Current.....	70 mAdc	500 mAdc	860 mAdc	10 mAdc	150 mAdc
Clipper Diode Ratings					
Heater Voltage Vac.....	—	5.4	11.5	—	6.3
Heater Current Aac.....	—	15.0	15.25	—	3.5
Peak Inverse Voltage.....	—	25 kv	33 kv	—	16 kv
Peak Plate Current.....	—	12 a	50 a	—	12 a
RMS Current	—	800 mAac	1.25 Aac	—	450 mAac



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