

Full-Wave Gas and Mercury-Vapor Rectifier

GENERAL DATA

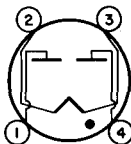
Electrical:^a

Filament, Coated:		
Voltage (AC)	2.5	volts
Current at 2.5 volts.	11.5 ± 1.0	amp
Minimum heating time prior to tube conduction.	15	sec
Typical Anode Starting Voltage.	10	volts
Peak Tube Voltage Drop at anode amperes = 5	10	volts

Mechanical:

Operating Position.	Vertical, base down
Maximum Overall Length.	7-1/2"
Maximum Diameter.	2-1/16"
Weight (Approx.).	5 oz
Bulb.	T16
Socket.	Super-Jumbo 4-Contact
Base.	Medium-Metal-Shell Super-Jumbo 4-Pin (JEDEC No. A4-81)
Basing Designation for BOTTOM VIEW.	4BS

Pin 1 - Anode No. 2
Pin 2 - Filament



Pin 3 - Filament
Pin 4 - Anode No. 1

Thermal:

Type of Cooling	Convection
Temperature Rise of Condensed Mercury to Equilibrium Above Ambient Temperature (Approx.):	
No load	18 °C
Full load	28 °C

FULL-WAVE RECTIFIER^a

Maximum and Minimum Ratings, Absolute-Maximum Values:

For power-supply frequency of 60 cps

PEAK INVERSE ANODE VOLTAGE.	900 max.	volts
ANODE CURRENT (Each Anode):		
Peak.	10 max.	amp
Average ^b	2.5 max.	amp
Fault	150 max.	amp
CONDENSED-MERCURY TEMPERATURE RANGE (Operating) ^c	0 to +90	°C



- ^a With circuit returns to filament-transformer center-tap.
- ^b Averaged over any interval of 5 seconds maximum.
- ^c For longest life, the operating condensed-mercury temperature range after warm-up should be kept between $+40^{\circ}$ and $+90^{\circ}$ C which corresponds approximately to $+15^{\circ}$ to $+65^{\circ}$ C ambient.