



# G-E TUNGAR BULB

Cat. No. 16X897

(RMA Type 4B27)

Tungar bulb, Catalog 16X897, is a twin-anode single ended mercury-vapor rectifier, designed for high-voltage full-wave operation. Its applications are similar to those outlined for Catalog 45X674 which include supplying power to operate magnetic chucks, small motors, etc. This bulb should be mounted in a vertical position.

## GENERAL DESIGN

Number of electrodes .....		3
Cat. No. of Socket required.....		GE-M-5556072G1
Cathode—coated filament:		
Voltage.....		2.5 ± 5%
Current, amperes, approx.....		10
Pre-heating time recommended, seconds .....		300
Tube voltage drop, volts d-c:		
Maximum.....	Hot	Cold*
Minimum.....	15.0	20.0
Average during life.....	6.0	7.5
Average during life.....	9.0	12.5
Starting (pick-up) voltage, volts d-c:		
Maximum.....	Hot	Cold*
Minimum.....	20.0	24.0
Average during life.....	8.0	8.0
Average during life.....	12.5	14.0
Net weight, ounces, approx.....		3
Shipping weight, ounces, approx.....		27
Length, inches, approx.....		6
Diameter, inches, approx.....		2 1/8

## RATINGS

Maximum peak voltage between anodes.....	1000
Maximum current:	
Average amperes per anode.....	1.0
Average amperes, full-wave output per tube.....	2.0
Instantaneous (peak) amperes, recurrent.....	6.0
Maximum d-c output, average volts.....	250
Maximum base temperature, degrees C.....	90

\*These values are for the end of the 300-second cathode pre-heating time. Tube losses are much greater, resulting in short life, if the pre-heating time is shortened. The pre-heating time listed must be respected and filament excitation must be continuous if guarantees are to apply. When first installed in a new location this tube should be operated 10 minutes with filament voltage only.