7014 (604) FULL WAVE RECTIFIER TUBE
TECHNICAL INFORMATION

Description: An argon-mercury vapor, full wave, rectifier tube designed especially for industrial power rectifier applications up to 250 volts d. c.

- dc Amperes output (maximum) ................................................................. 2.5
- Instantaneous Amperes output (maximum) .................................................. 10
- Maximum time of averaging anode current (seconds) .................................. 5
- Maximum peak inverse volts ................................................................. 900
- Filament volts ....................................................................................... 2.5
- Filament amperes ................................................................................... 11.5 ± 1
- Filament heating time (seconds) ............................................................... 15
- Typical arc drop at 5 amperes peak (volts) ................................................ 10
- Typical Anode starting voltage (volts) ....................................................... 10
- Maximum ac short circuit current (amperes) .............................................. 150
- Condensed mercury temperature limits (°C) * ................................. 0 to +90
- Approx. temp. rise, cond. merc. above ambient, no load (°C) .............. 18
- Approx. temp. rise, cond. merc. above ambient, full load (°C) ............ 28
- Mounting position .................................................................................. vertical, base down
- Net weight (ounces) .............................................................................. 5
- Approx. shipping weight (lbs.) ............................................................... 3

*The tube may be started and satisfactory operation will result between 0 and 90°C. For maximum life the condensed mercury temperature after warm-up should run between +40 and +90°C which corresponds to approximately +15 to +65°C ambient.

ALL DATA ARE BASED ON RETURNS TO FILAMENT TRANSFORMER CENTER TAP
LIGHT FILAMENT BEFORE APPLYING LOAD

OUTLINE DRAWING

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