The Type 6038 is an ATR gas switching tube with a center frequency of 9,300 megacycles. This type is designed to have a low recovery time.

**ELECTRICAL DATA**

- **Center Frequency** ............................................. 9,300 megacycles
- **Loaded Q, maximum** ........................................... 6.5
- **Transmitter Peak Power:**
  - Minimum ......................................................... 5 Kilowatts
  - Maximum (1) .................................................... 100 Kilowatts
- **Normalized Conductance, maximum** ...................... 0.1
- **Normalized Susceptance, maximum** ...................... ±0.06
- **Arc Power Loss (2), maximum** ............................. 0.6 decibel
- **High Level Standing Wave Ratio, maximum** ............ 1.10
- **Recovery Time (3), maximum** ............................. 8.0 microseconds

**MECHANICAL DATA**

- **Mounting Position** .......................................... any
- **Ambient Temperature Range** .............................. -40 to +100 degrees centigrade
  
  (1) At a duty cycle of 0.001.
  
  (2) At a peak power of 4 kilowatts, pulse repetition rate of 1,000 pulses per second, a pulse width of 0.5 microsecond, and a frequency of 9,025 megacycles.

  (3) At a peak power of 20 kilowatts, pulse repetition rate of 1,000 pulses per second, a pulse width of 0.5 microseconds, and a frequency of 9,375 megacycles.

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**OUTLINE**

[Diagram showing dimensions and specifications of the Type 6038 tube]

**NOTE:**

Measured at edges on bottom of tube.