SYLVANIA ELECTRIC

RTMA Registration Data

TYPE 6034

ATR TUBE

The Type 6034 is an ATR gas switching tube with a center frequency of 8,750 megacycles. The contact surface (bottom face of end plate) of this type is precisely made to permit a minimum of leakage from the joint connecting the tube to associated equipment.

ELECTRICAL DATA

Center Frequency ........................................... 8,750 megacycles
Loaded Q, maximum ...................................... 6.5
Transmitter Peak Power, minimum ...................... 5 kilowatts
Normalized Conductance, maximum ..................... 0.1
Normalized Susceptance, maximum ..................... ±0.06
Arc Power Loss\(^{(1)}\), maximum ......................... 0.8 decibel
High Level Standing Wave Ratio, maximum .......... 1.10

MECHANICAL DATA

Mounting Position ........................................ any
Ambient Temperature Range ............................. -40 to +100 degrees centigrade

\(^{(1)}\) At a peak power of 4 kilowatts, frequency of 9,025 megacycles, pulse repetition rate of 1,000 pulses per second, and a pulse width of 0.5 microseconds.

![Diagram of the Type 6034 ATR Tube](image-url)