

SYLVANIA ELECTRIC

RTMA Registration Data

TYPE 6038

ATR TUBE

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.

