

SYLVANIA ELECTRIC

RMA Registration Data

TYPE 5791

ATR GAS SWITCHING TUBE

The Type 5791 is a fixed tuned ATR gas switching tube with an operational band covering 34,160 to 35,560 megacycles.

RATINGS

Maximum Transmitter Peak Power	100	kilowatts
Ambient Temperature	-40 to + 100	degrees centigrade

CHARACTERISTICS

Frequency Band	34,160 to 35,560	megacycles
High Level VSW Ratio (at 34,860 megacycles)	1.1	
Maximum Normalized Equivalent Conductance	0.150	
Maximum Loaded Q	7.5	
Normalized Tuning Susceptance	± 0.07	
Firing Time	10	seconds
Arc Loss	0.7	decibel
Conditions:		
Peak Power Input	4	kilowatts
Pulse Repetition Rate	2,000	pulses per second
Pulse Width	0.3	microsecond
Frequency	34,860	megacycles

DIMENSIONS

(See outline, page 2)

from RMA release #760, May 27, 1949

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