

October 30, 1947

SYLVANIA ELECTRIC PRODUCTS INC.

Type 1B60

The 1B60 is a tunable TR gas switching tube of the integral cavity type for the 9300 Mc Range.

Electrical Data

Tuning Range	8490 to 9600	Mc
Leakage Power* (at 10 Kw)	30	mW max.
Insertion Loss (at 8490 Mc)	0.85 to 1.50	db
Keep-Alive Interaction (at 100 μ Adc)	0.2	db max.
Recovery Time (at 10 kw; 3 db down)	4	μ sec. max.
Loaded Q (at zero keep-alive current)	350	max.
Frequency Change with Temperature (0 to 100° C)	0 to -20	Mc
Keep-Alive Voltage Drop (At 100 μ Adc)	325 to 450	Vdc
Keep-Alive Ignition Time	5.0	sec. max.
Keep-Alive Starting Voltage	-750	Vdc max.

Mechanical Data - General

Number of Keep-Alive Electrodes	One	
Net Weight (Approximate)	5	oz.
Mounting Position	Any	
Mounting	(See Note 1)	
Dimensions	(See Drawing)	

Ratings

Maximum Transmitter Peak Power	80	Kw
Keep-Alive Supply Voltage (open circuit)	-750 to -1000	Vdc
Keep-Alive Current	100 to 200	μ Adc
Ambient Temperature Range	-40 to +100	°C

*total power averaged over pulse

(Note 1) Between std. Rectangular
R.F. choke flanges in
std. 4" x 9" I.D. Wave-
guide

10/9/47

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OUTLINE DRAWING

TYPE IB60

