ADVANCE DATA

MECHANICAL DATA

Dimensions Per Outline
Mounting Position Any
Number of Igniters One
Ambient Temperature Range (non-operating) -40 to +100°C

ELECTRICAL DATA

RATINGS

Ignitor Open Circuit Supply Voltage -750 to -1000 Vdc
Ignitor Current (max) 200 mA Adc

GENERAL DATA

Tuning Range 33,814 to 35,906 mc
Transmitter Peak Power 100 kw
Flat Leakage Power (max) (1) 30 mw
Insertion Loss at 34,860 mc (max) 2.5 db
Ignitor Interaction at Ignitor Current of 100 mA Adc (max) 0.2 db
Ignitor Voltage Drop at Ignitor Current of 100 mA Adc (max) 200 to 350 Vdc
Recovery Time (max) (2) 4 usec

NOTES

(1) F = 34,860 mc; \( P_o = 8 \text{ kw}; \) \( I_i = 100 \text{ mA Adc}; \) \( t_p = .25 \text{ usec} \text{ at 2000 pps} \) or \( t_p = .5 \text{ usec} \text{ at 1000 pps}. \)

(2) F = 34,860 mc; \( P_o = 8 \text{ kw}; \) \( I_i = 100 \text{ mA Adc}; \) \( t_p = .25 \text{ usec} \text{ at 2000 pps} \) or \( t_p = .5 \text{ usec} \text{ at 1000 pps}. \) The loss of signal in the tube at the specified time after the pulse shall not be more than 3 db in excess of the loss at 100 usec after the pulse.

APPLICATION DATA

The Sylvania Types 6545 and 6546 are normally used in a branched type duplexer, in conjunction with the Mag 400 magnetron in pressurized systems. These components are recommended for application in systems requiring high definition combined with maximum range and bearing accuracy.

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