The Type 5853 is a band-pass transmit-receive tube designed for operation at approximately 3,000 megacycles.

--- ELECTRICAL DATA ---

Frequency Range (1) .................. 2900 to 3200 mc
Transmitter Peak Power (min.) .............. 10 kw
Ignitor Characteristics:
  Ignitor Voltage ..................... -700 volts
  Ignitor Current ..................... 200 μA
  Ignitor Voltage Drop ............... 200 to 450 volts
Low Power Level Unfired Characteristics:
  Insertion Loss (max.) ............... 0.7 dB
  Ignitor Interaction (max.) .......... 0.3 dB
High Power Level Fired Characteristics:
  Flat Leakage Energy (max.) ......... 0.4 erg
  Spike Leakage Energy (max.) ....... 0.3 erg
  Recovery Time (750 kw) (max.) ....... 15 μsec

--- MECHANICAL DATA ---

Mounting Position ....................... any
Ambient Temperature Range ............... -40 to 100 °C

(1) With Voltage Standing Wave Ratio of 1.4 maximum.

--- Diagram ---

Material for Gasket: .115 thick brass braid.

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