

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 μ a
 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 μ sec

MECHANICAL DATA

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

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

