JETEC TYPE DESIGNATION REGISTRATION FORM

TR TUBE

Manufacturer's Designation: BL-67 April 9, 1957

JETEC Designation: 6650

Manufacturer: Bomac Laboratories, Inc. Beverly, Massachusetts

GENERAL CHARACTERISTICS

The 6650 is a narrow band tunable TR tube designed to effectively decouple the receiver from a common transmitting and receiving antenna during a period of transmission. It is an integral cavity type. Its tuning range is from 23,630 to 24,580 megacycles.

ELECTRICAL DATA - TYPICAL VALUES

Tuning Range 23, 630 to 24, 580 Mc/s

Ignitor Ignition Time (max.) 5 sec Ignitor Voltage Drop at I_i=100 μAdc 300 - 425 Vdc

Total Leakage Power (max.) 25 mw

F=23, 984 Mc; po=8 kw;

 $tp=0.25 \mu s$ at 2000 pps or

tp=0.5 as at 1000 pps

 $I_i = 100 \mu Adc$

Insertion Loss (max.) at F=23, 984 Mc and I_i =0 1.75 db Ignitor Interaction (max.) at F=23, 984 Mc and I_i =100 μ Adc 0.2 db Recovery Time (max.) at 8.0 kw peak 3 db down 4.0 μ s

MECHANICAL DATA - GENERAL

Mounting Position Any
Weight, Approximately 2 ozs.

ABSOLUTE MAXIMUM RATINGS

Transmitter Peak Power 24 kw
Transmitter Average Power 14 W
Ignitor Current 200 μAdc

OUTLINE DRAWING

As per attached drawing dated 3-23-55

