JETEC TYPE DESIGNATION REGISTRATION FORM

TR TUBE

Manufacturer's Designation: BL-37A
JETEC Designation: 6633
Manufacturer: Bomac Laboratories, Inc.
Beverly, Massachusetts

March 1, 1957

GENERAL CHARACTERISTICS.

The 6633 is a broad band 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 operational band is from 1220 to 1365 Megacycles.

ELECTRICAL DATA - TYPICAL VALUES.

Operational Band
- VSWR 1.4 maximum
- 1220 to 1365 Mc/s

Ignitor Ignition Time (max.)
- 5 sec.

Ignitor Voltage Drop at Ii=100μA/adc
- 200-450 volts

Spike Leakage Energy (max.)
- F = 1292Mc; po=2000kw
- t1=4.0μs; t2=1.0μs
- prr=250pps; li=100μA/adc.
- 0.40 ergs

Flat Leakage Power (max.)
(See Spike Leakage for test conditions)
- 75 mw

Insertion Loss (max.) at 1292 Mc and li=0
- 0.7 db

Ignitor Interaction (Max.) at 1292 Mc and li=100μA/adc
- 0.3 db

Recovery Time (max.) at 2000 kw peak 3 db down
- 45μs

MECHANICAL DATA - GENERAL.

Mounting Position
- Any
Pressurization (max.)
- 25 psia
Weight, approximately
- 9.75 lbs.

ABSOLUTE MAXIMUM RATINGS.

Transmitter Peak Power
- 2000 kw
Transmitter Average Power
- 2000 W
Ignitor Current
- 200 μA/adc

OUTLINE DRAWING.

As per attached drawing dated 1-15-57

from JETEC release #1897, April 15, 1957