MECHANICAL DATA

Dimensions
Mounting position
Ambient temperature range (non-operating)

Per Outline
Any
-40 to +100°C

ELECTRICAL DATA

Center frequency
Operational band for VSWR of 1.4 max.
Ignitor supply voltage (min.)
Ignitor voltage drop; Ii = 100 µAdc
Spike leakage energy (max.) (1)
Flat leakage power (max.) (1)
Insertion loss; Ii = 0
Ignitor interaction; Ii = 100 µAdc
Recovery time at 30 KW peak
3 db down
Arc loss at 4 KW peak
Transmitter peak power (min.)

5400 mc
5370 to 5430 mc
-700 volts
-200 to -400 volts
0.30 ergs
50 mw
0.7 db
0.3 db
10 µsec
0.8 db
4 KW

Notes:
(1) po = 30 KW; prr = 1000 pps; tp = 1.0 and 0.5 µsec; Ii = 100 µAdc;
F = 5400 mc

APPLICATION DATA

The 6624 TR tube was developed specifically for a commercial airborne radar application. It is recommended for any branched duplexer design, commercial or military, if any of three factors - size, weight, cost, is the primary objective.

Size and weight are reduced approximately 50% from the 5925, while maintaining equivalent performance.

The method of mounting is unique, fast and simple. By incorporating a "slip-in" type of design, it becomes possible to obtain precise location of the TR by using only four mounting bolts between waveguide flanges.

from JETEC release #1457, May 2, 1955