

JETEC TYPE DESIGNATION REGISTRATION FORM TR TUBESManufacturers Designation: MPT-17Date: 8-14-62JETEC Designation: 7902Manufacturer: Metcom, Inc., Salem, Mass.General Characteristics

The 7902 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 a separate cavity type. Its operational band is from 300 to 600 megacycles.

Electrical Data - Typical Values

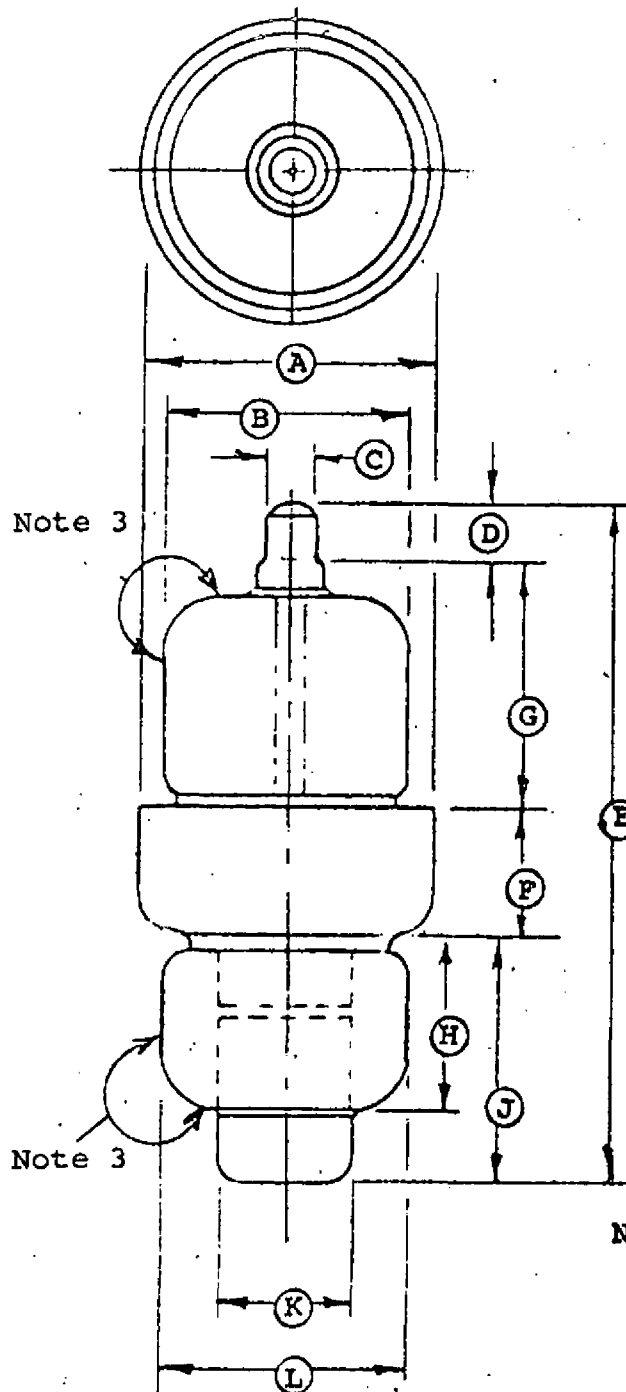
Tuning Range	459 to 461 Mc/s
Peak Leakage Power 425 Mc, $p_o = 2$ Mw	40 watts
Insertion Loss at f_o Mc, $I_i = 0$	2 db
Ignitor Interaction at f_o Mc, $I_i =$	Uadc
Recovery Time at 2 Mw peak, 3 db down	200 usec

Mechanical Data - General

Dimension	Outline dated 7-25-60
Mounting Position	Any
Weight, approximately	2 oz.

Absolute Maximum Ratings

Transmitter Peak Power	3 Mw
Transmitter Average Power	5 kw
Duty Cycle	.0018
Pulse Duration	6 usec



Ref.	Dimensions
A	1.500 Dia. $\pm .010$
B	1.400 Dia. Max.
C**	0.250 Dia. Nom.
D**	0.240 Min.
E	3.600 Max.
F**	0.650 $\pm .010$
G*	1.150 $\pm .060$
H	0.830 Max.
J	1.260 $+.000-.030$
K*	0.650 Dia. $\pm .007$
L	1.400 Dia. Max.

NOTES:

1. Dimensions (A) and (K) to be concentric within .020 T.I.R.
2. Diameters (B) and (L) shall not exceed a circle of 1.400 diameter concentric with diameter (A).
3. Envelope within area indicated may be either glass or metal.

All dimensions are in inches metal.

SPECIFICATION SHEET

OUTLINE

7902

METCOM, INC.
76 LAFAYETTE ST.
SALEM, MASS.

7/25/60