

JEDEC TYPE DESIGNATION REGISTRATION FROM TR TUBESManufacturers Designation: MPT-22

Date: 8-14-62

JEDEC Designation: 8088Manufacturer: Metcom, Inc., Salem, Mass.General Characteristics:

The 8088 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 200 to 600 megacycles.

Electrical Data - Typical Values

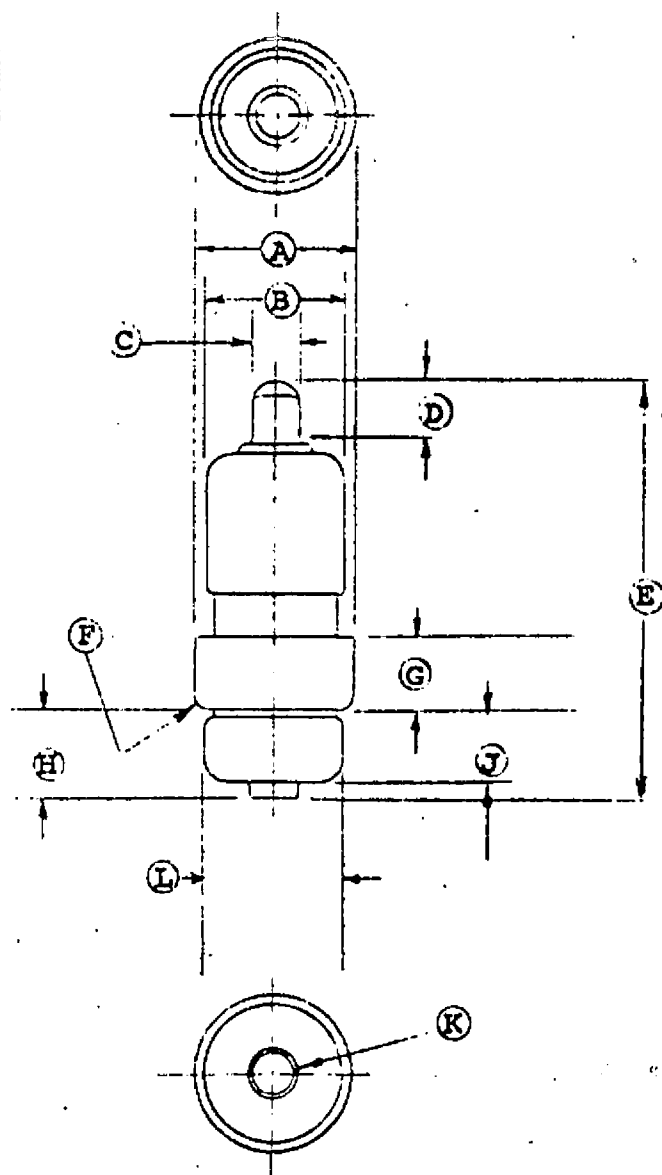
Tuning Range	421 to 443 Mc/s
Ignitor Voltage Drop at $I_i=150\mu\text{A dc}$	150 to 350 Vdc
Peak Leakage Power 430Mc, $P_o=5\text{kw}$	2 watts
Insertion Loss at f_o Mc, $I_i=0$	1.8 db
Ignitor Interaction at 430 Mc, $I_i=150\mu\text{A dc}$	0.2 db
Recovery Time at 5 kw peak, 3 db down	200 usec
Minimum Firing Power Peak	2 watts

Mechanical Data - General

Dimensions	Outline dated 6-1-61
Mounting Position	Any
Weight, approximately	0.5 oz.

Absolute Maximum Ratings

Transmitter Peak Power	15 kw
Transmitter Average Power	500 W
Ignitor Current	100 to 200 $\mu\text{A dc}$
Duty Cycle	.05
Pulse Duration	6 us
Open Circuit Ignitor Voltage (min.)	-700 Vdc
Ignitor Starting Voltage	450 Vdc



Ref.	Dimensions In Inches
A	0.780±.010 Dia.
B	0.695 Max. Dia.
C**	0.250 Nom. Dia.
D**	0.240 Min.
E	2.000 Max.
F**	0.060 Max. Rad.
G	0.375±.010
H	0.437±.010
J	0.343 Max.
K*	0.215±.010 Y.D.
	0.375 Min. Depth
L	0.695 Max. Dia.

Note 1: A and K diameters to be concentric within .010 T.I.R.

Note 2: B and L diameters shall not exceed a circle of 0.709 diameter concentric with diameter A.

SPECIFICATION SHEET

OUTLINE

8088,

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

6-2-61