

JETEC TYPE DESIGNATION REGISTRATION FORM TR TUBESManufacturers Designation: MLT-13Date: 8-14-62JETEC Designation: 7823Manufacturer: Metcom, Inc., Salem, Mass.General Characteristics:

The 7823 is a broad band TR tube designed to effectively decouple the receiver from a common transmitting and receiving antenna during a period of transmission. Its operational band is from 1250 to 1350 megacycles.

Designed for operation between -54 to +52°C.

Electrical Data - Typical Values

Operational Band VSWR 1.4 max.	1250 to 1350 Mc
Flat Leakage Power at 1300Mc, $p_o=50kw$	0.5 w
Insertion Loss at 1300Mc, $I_1=0$	0.5 db
Recovery Time at 50 kw peak, 3 db down	10 usec
Minimum Firing Power peak at 1300Mc	20 w

Mechanical Data - General

Dimensions	Outline dated 12-9-60
Mounting Position	Any
Weight, approximately	9 lbs.

Absolute Maximum Ratings

Transmitter Peak Power	50 kw
Transmitter Average Power	50 w
Operating Temperature	-54 to +52°C
Altitude	10,000 ft.

