SYLVANIA

JETEC Registration Data

TYPE 5853

TR SWITCHING TUBE

The Type 5853 is a band-pass transmit-receive tube designed for operation at approximately 3,000 megacycles.

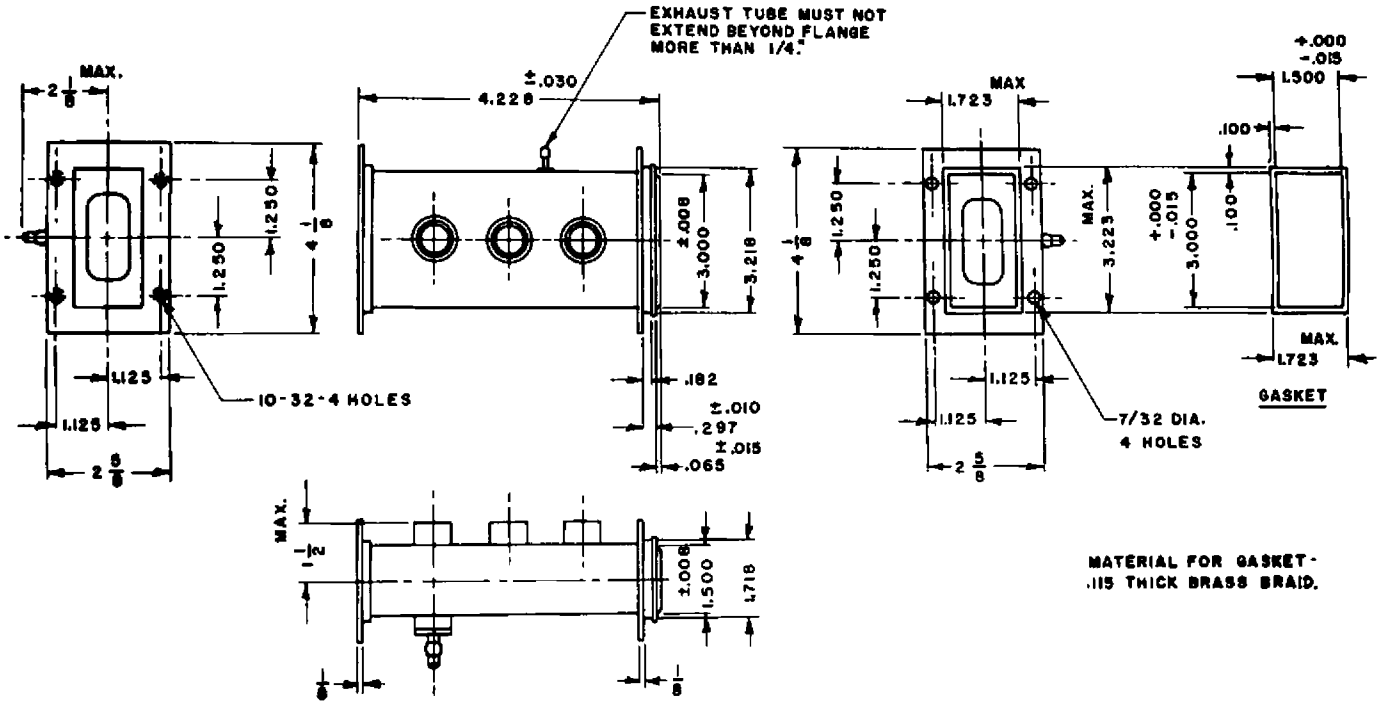
ELECTRICAL DATA

Frequency Range(1)	2900 to 3200 mc
Transmitter Peak Power(min.)	10 kw
Ignitor Characteristics:	
Ignitor Voltage	-700 volts
Ignitor Current	200 µa
Ignitor Voltage Drop	200 to 450 volts
Low Power Level Unfired Characteristics:	
Insertion Loss(max.)	0.7 db
Ignitor Interaction(max.)	0.3 db
High Power Level Fired Characteristics:	
Flat Leakage Energy(max.)	0.4 erg
Spike Leakage Energy(max.)	0.3 erg
Recovery Time(750 kw)(max.)	15 µsec

MECHANICAL DATA

Mounting Position	any
Ambient Temperature Range	-40 to 100 °C

(1) With Voltage Standing Wave Ratio of 1.4 maximum.



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