



TYPE 6162

JETEC Registration Data

ATR Gas Switching Tube

The Type 6162 is a broad-band ATR gas switching tube designed to decouple effectually the transmitter from a common transmitting and receiving antenna during a non-transmitting period, in radar applications.

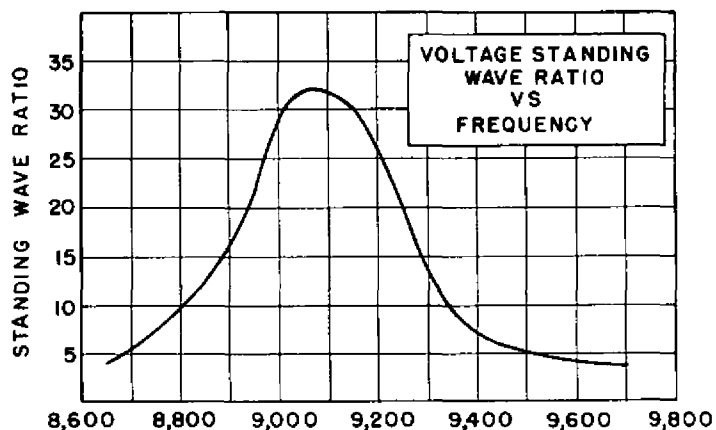
————— ELECTRICAL DATA —————

Center Frequency 9,080 megacycles
Operational Band at Minimum Voltage
Standing Wave Ratio of 5 8,750 to 9,410 megacycles
Loaded Q, maximum 6.5
Transmitter Peak Power, minimum 4 kilowatts
Normalized Conductance at Center Frequency 0.1
Normalized Susceptance at Center Frequency ± 0.06
Arc Power Loss,* maximum 0.8 db

————— MECHANICAL DATA —————

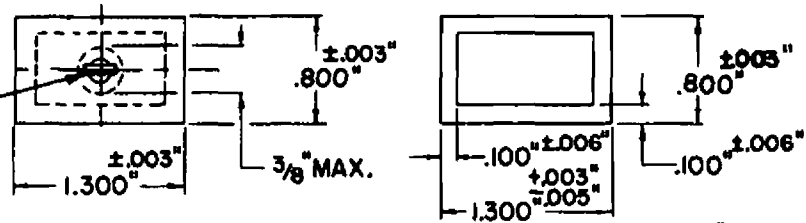
Mounting Position Any
Ambient Temperature Range (non operating) .. -40 to +100 °C
Net Weight, approximate 0.13 pounds

*At a peak power of 4 kilowatts, pulse repetition rate of 1,000 pulses per second, pulse width of 0.5 microseconds and a frequency of 9,025 ($\pm 4\%$)



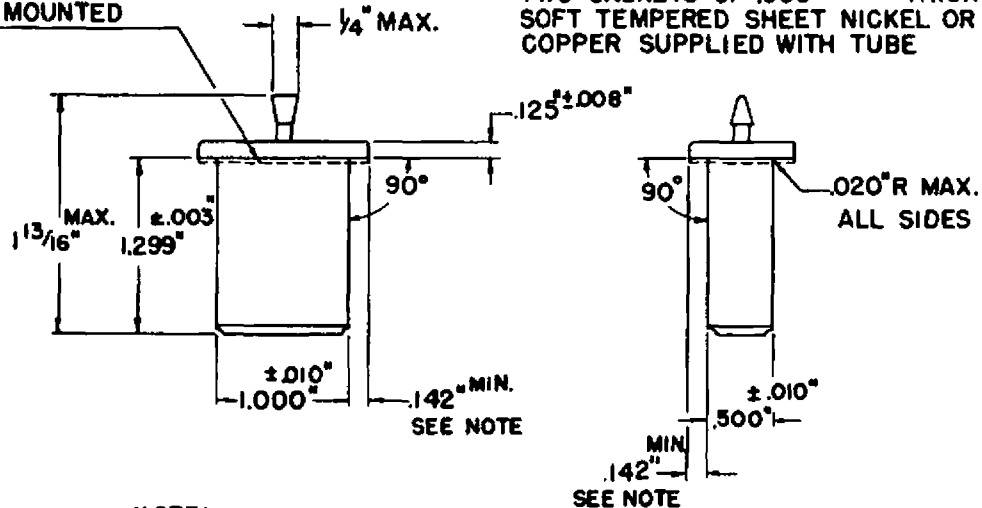
OUTLINE

THE TUBULATION
SHALL FALL WITHIN
A CIRCLE OF $\frac{3}{8}$ " DIA.-
MAX.



POSITION OF GASKET WHEN MOUNTED

TWO GASKETS OF .003^{±.0005} THICK
SOFT TEMPERED SHEET NICKEL OR
COPPER SUPPLIED WITH TUBE



NOTE:

MEASURED AT EDGES ON BOTTOM OF TUBE.