The Type 6162 is a broad-band ATR gas switching tube designed to decouple effectively 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 (±4%)
OUTLINE

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

POSITION OF GASKET WHEN MOUNTED

TWO GASKETS OF .003''$\pm$.006'' THICK SOFT TEMPERED SHEET NICKEL OR COPPER SUPPLIED WITH TUBE

NOTE:
MEASURED AT EDGES ON BOTTOM OF TUBE.