



TYPE 6024

JETEC Registration Data

ATR Gas Switching Tube

The Type 6024 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	2,800	megacycles
Operational Band, nominal	2,650 to 2,950	megacycles
Loaded Q, maximum	5.5	
Transmitter Peak Power:		
Minimum	20	kilowatts
Maximum	1,000	kilowatts
Normalized Conductance at Center Frequency	0.05	
Normalized Susceptance at Center Frequency	±0.05	
Arc Power Loss,* maximum	0.8	db

————— MECHANICAL DATA —————

Mounting Position	Any	
Ambient Temperature Range (non operating) ...	-40 to +100	°C
Net Weight, approximate	0.83	pounds

*At a peak power of 20 kilowatts, pulse repetition rate of 1,000 pulses per second, pulse width of 1.0 microseconds and a frequency of 2,800 megacycles.



