

HIGH VOLTAGE, HIGH VACUUM RELAY

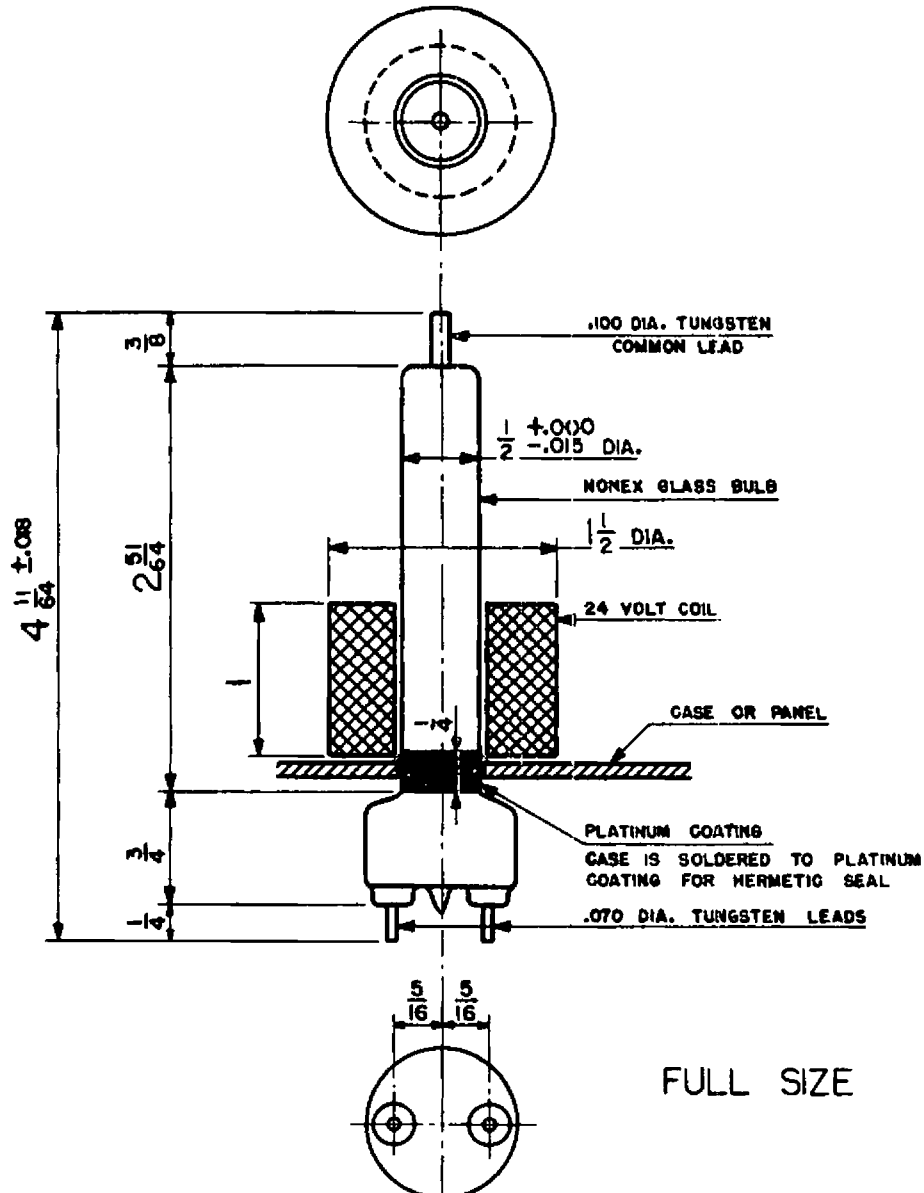
Release No. 1181  
May 1, 1953

The type 6331 high voltage, high vacuum relay represents an advance in high voltage miniaturization. Designed primarily for partial oil immersion applications for switching pulse forming networks in radar installations. The glass structure is equipped with a flange for hermetically sealing the lower portion of the switch directly into the pulse forming network case, transformer, or other oil filled device. The complete unit consists of the relay and the externally operated dc solenoid.

The unit is also well suited in environments that are corrosive, where explosive atmospheres are encountered, and for high altitude applications.

Typical characteristics are as follows:

1. Maximum voltage rating between open contacts - 30,000 volts DC
2. Peak current rating - 300 amperes
3. Pulse duration - 3 micro seconds) Example of operation
4. Pulse repetition rate - 415 pps)
5. Contact arrangement - normally closed, single pole double throw
6. Ambient temperature - minus 55° C to plus 110° C
7. Maximum overall dimension - 4 1/4"
8. Vibration - 15 g's acceleration
9. Maximum contact make and release time - 15 milliseconds



PIONEER ELECTRONICS CORP  
SANTA MONICA CALIFORNIA