

ELECTRON GUN

ABSTRACT OF THE DISCLOSURE

A heater is built in an inner sleeve of an electron gun, and an impregnated type cathode is fixed at an end portion, on the grid electrodes side, of the inner sleeve. The inner sleeve, having an outside diameter ranging from about 1.0 mm to 1.4 mm and a length substantially equal to a primary spiral length of the heater, is inserted in an outer sleeve. The outer sleeve has on the grid electrodes side a small-diameter portion having an outside diameter ranging from about 2.2 mm to about 2.6 mm and on the base end side a large-diameter portion having an outside diameter ranging from about 2.6 mm to 3.0 mm. The inner sleeve is inserted in the small-diameter portion and is fixed thereto by means of strap-like tabs.. A holder is fixed around the outer peripheral portion of the large-diameter portion, and is assembled in a ceramic disk via the holder.

Figure 6A