The 8257 is a two electrode gas filled cold cathode tube primarily for use in voltage regulator applications operating in the corona mode.

MAXIMUM RATINGS, Absolute Values

Maximum dc Cathode Current - Peak pulse 750 ua
Minimum dc Cathode Current 15 ua
Ambient Temperature Limits -65 ºC to +125 ºC
and/or Bulb Temperature Limits

ELECTRICAL DATA THROUGHOUT LIFE

Anode Voltage Drop at 100 ua Minimum 1180 1200 1220 Volts
Anode Breakdown Voltage (1) in Darkness 1320 Volts
(2) in Light 1320 Volts
Regulation 15 to 600 ua 30 Volts
*Voltage Jump (Constant current, __ua) Volts
Voltage Jump (Current Varied, __to__ua) Volts
Temperature Coefficient of Voltage Drop (Note 3) 175 mV/ºC
-65 ºC to +125 ºC Ambient 6 Volts
Repeatability Notes 1 and 2

MECHANICAL DATA

Mounting Position any
Net Weight, Maximum .3

OUTLINE

![Diagram of tube outline]

BASING

RETA Basal Designation - Lead with red dot - anode
Remaining lead - cathode

Note 1: Tube operated at 100 ua of current at 25 ºC ambient temperature.
Note 2: Maximum change of Tube Voltage Drop, as measured before and after a seven-day non-operating hold period.
Note 3: Tube operated at 100 ua.

*Primarily applicable to voltage reference types.