

MECHANICAL DATA

Bulb	T-9
Base	Intermediate Shell Octal 5-Pin
Basing	8ES
Filament	Iron
Type of Cooling	Radiation
Ambient Temperature (Maximum)	65° C
Net Weight	1 Ounce
Mounting Position	Vertical, Base Down

ELECTRICAL DATA

RATINGS (Absolute Values)

Current	
Maximum	95 Ma
Minimum	70 Ma
Voltage	
Maximum	60 Volts
Minimum	20 Volts

CHARACTERISTICS

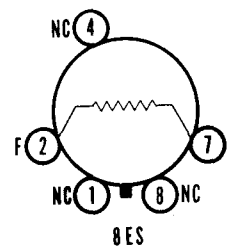
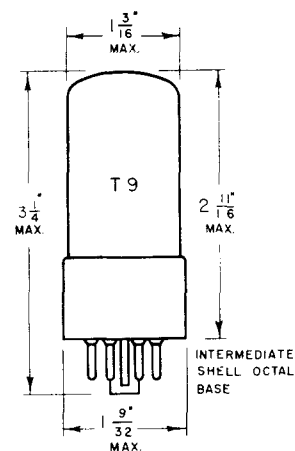
Averaging Operating Current	
20 Volts	74 Ma
40 Volts	84 Ma
60 Volts	90 Ma

APPLICATION

The type 40A1 is used as the cathode resistor of the horizontal output tube in receivers specifically designed for its use. Because of the non-linear resistance characteristic, variations in anode voltage, picture width, output tube cathode current, and damper diode current with line voltage are considerably below that which result from using a fixed cathode resistor. Therefore, it becomes possible to operate the horizontal output tube near full scan capabilities at low line voltage without subjecting it to operating conditions which exceed the maximum ratings at high line voltage.

QUICK REFERENCE DATA

Gas filled ballast tube designed to maintain relatively constant current over a specified operating voltage range. It is designed for application as a horizontal deflection stabilizer in television receivers.



**SYLVANIA ELECTRIC
PRODUCTS INC.**

*Prepared and Released By The
TECHNICAL PUBLICATIONS SECTION
EMPORIUM, PENNSYLVANIA*

APRIL 1953

AVERAGE CHARACTERISTICS

