

Typical operating conditions and characteristics, etc. (Continued)

Transconductance	3700	4100	μmhos
Load resistance	5500	5000	ohms
Maximum-signal power output	2.0	4.5	watts
Total harmonic distortion (approx.)	8	8	%

Ratings Vertical Deflection Amplifier §, Triode connected (Design-Maximum)

Maximum DC plate voltage	275	volts
Maximum peak positive voltage	1100	volts
Maximum plate dissipation *	10	watts
Maximum peak negative grid No. 1 voltage	275	volts
Maximum average cathode current	40	ma
Maximum peak cathode current	115	ma
Maximum grid circuit resistance (cathode bias)	2.2	megohms
Maximum bulb temperature at hottest point	250	OC

Average characteristics - Triode connected

Plate voltage	250	volts
Grid voltage	-12.5	volts
Plate current	49.5	ma
Transconductance	4800	μmhos
Amplification factor	9.5	
Plate resistance (approx.)	1970	ohms
Grid voltage (approx.) for Ib = 0.5 ma	-37	volts

§ For operation in a 525 line, 30-frame system as described in "Standards of Good Engineering Practice for Television Broadcasting Stations; Federal Communications Commission." The duty cycle of the voltage pulse not to exceed 15% of a scanning cycle.

* In stages operating with grid-leak bias, an adequate cathode bias resistor or other suitable means is required to protect the tube in the absence of excitation.

Refer to "Interpretation of Receiving Tube Ratings"