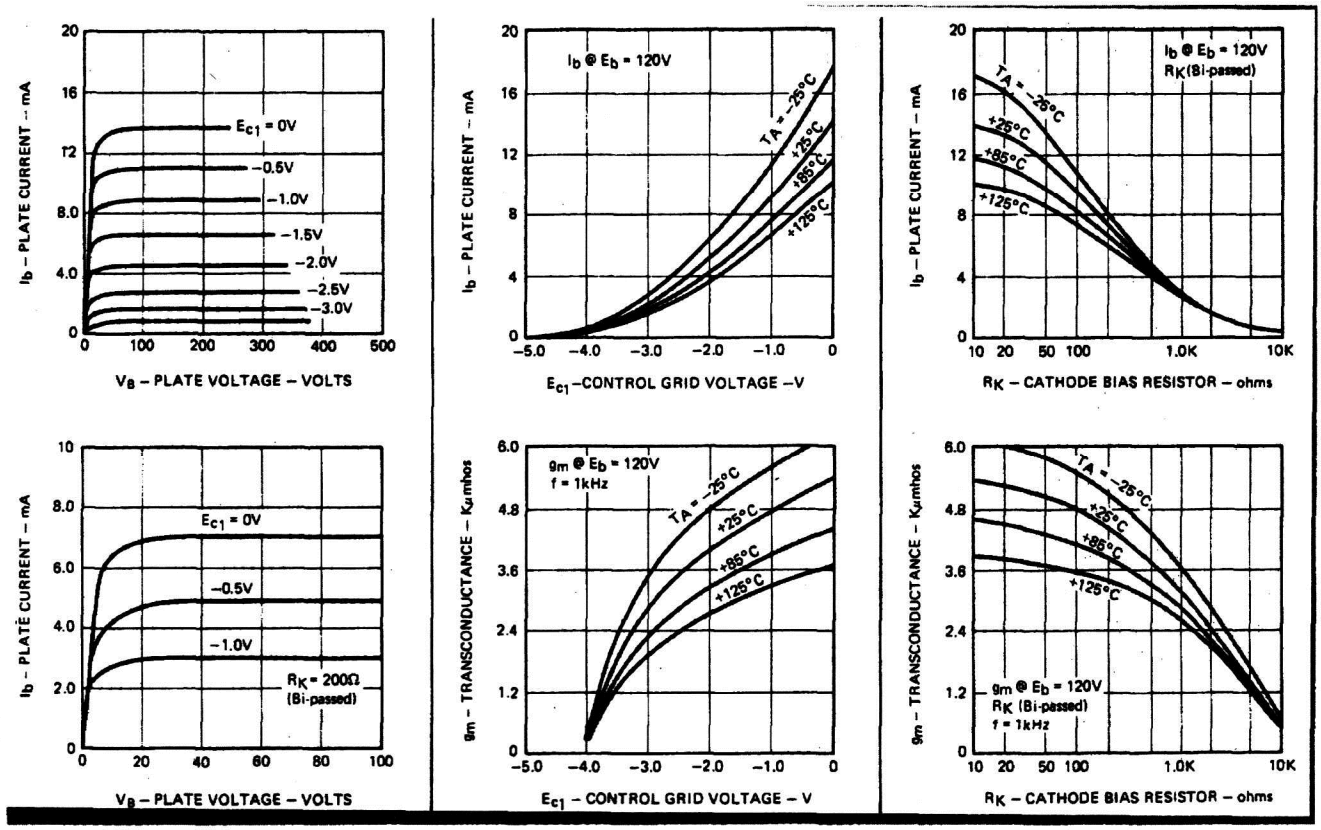
General Characteristics (Stated in conventional tube terminology)

Heater Voltage	N/C
Heater Current	N/C (Open)
Grid No. 1 to Plate Capacitance	0.02μμF
Grid No. 1 to Cathode Capacitance	8.0μμF
Grid No. 2 and Grid No. 3 Capacitance	N/C

Operating Conditions and Characteristics (At 25°C unless otherwise specified)

Characteristic	Symbol	Min.	Typ.	Max.	Units
Plate Supply Voltage	Eb		125	300	V
Grid No. 2 Supply Voltage	Ec_2			N/C	
Grid No. 1 Voltage	Ec_1		−3		V
Plate Resistance	rp	0.5	3.0		MΩ
Transconductance	gm	4000	7000	9000	μmhos
Grid No. 1 Voltage for 10μA Plate Current	Ec_1		−6.0	−10.0	V
Plate Current	Ib	4.0	10	13	mA
Grid No. 2 Current	Ic_2		N/C		
Amplification Factor	μ	2000	21000		
Grid Current	Ic_1		0.5	100	nA

Average Plate Characteristics



NOTE: In series filament circuits, all tubes must be replaced by solid state replacements or appropriate resistor connected externally between pins 3 and 4. Some applications may require modified TS6CB6A. Consult Teledyne Semiconductor for application information.