

MECHANICAL DATA

Cathode coated filament
Outline drawing 5-2, Bulb T-5 1/2
Base E7-1, Miniature Button 7-Pin
Maximum diameter 3/4"
Maximum seated height 1 7/8"
Maximum overall length 2 1/8"
Pin connections Basing 6BW
 Pin 1 - Negative filament, Pin 4 - Diode plate
 Grid #3 Pin 5 - No connection
 Pin 2 - Plate Pin 6 - Grid #1
 Pin 3 - Grid #2 Pin 7 - Positive filament
Mounting Position Any

ELECTRICAL DATA

Filament Characteristics
 Filament voltage (dc) 1.4 volts
 Filament current 25 ma

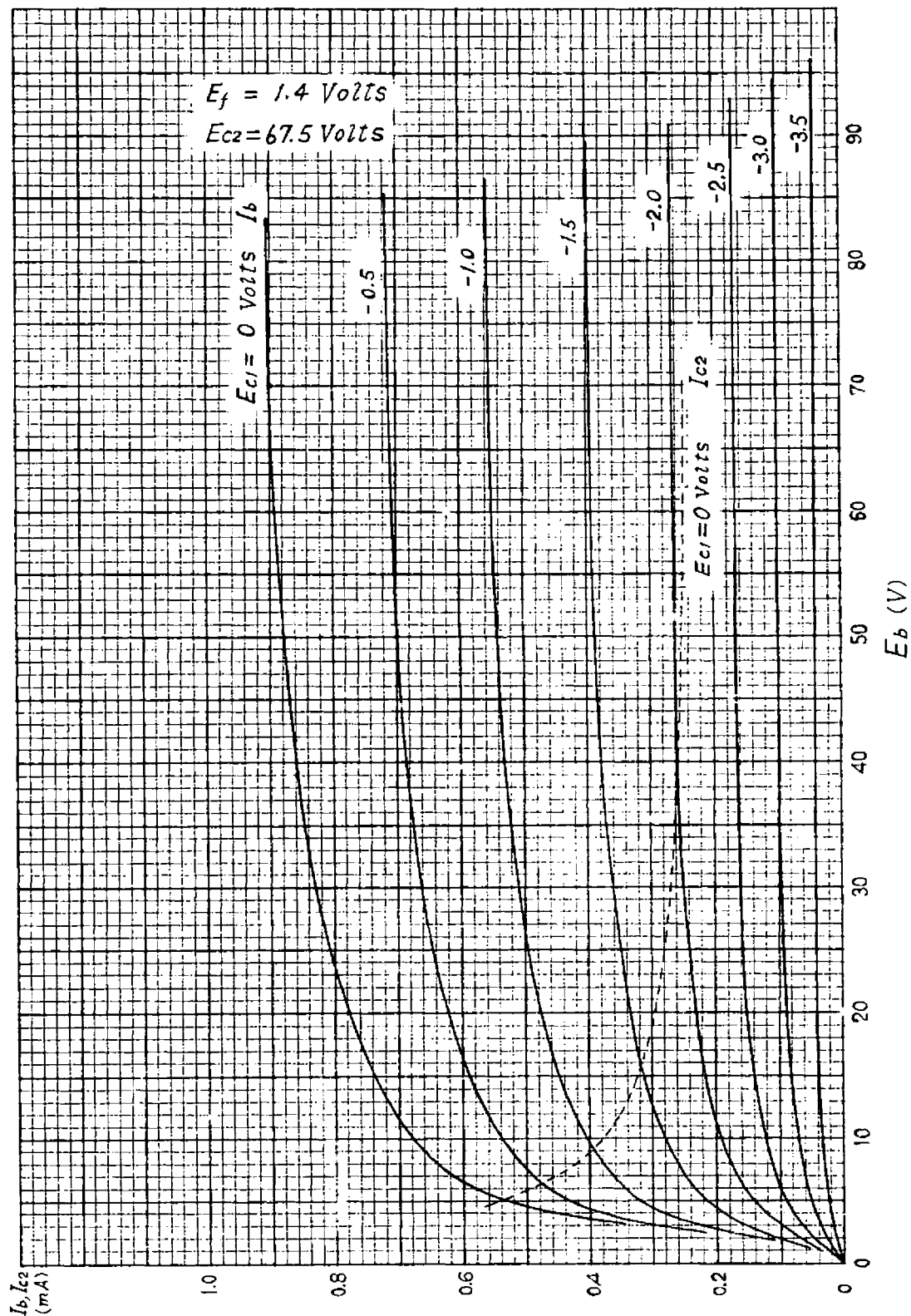
Ratings (Design center values)
 Maximum plate voltage 90 volts
 Maximum grid #2 voltage 90 volts
 Maximum positive grid #1 voltage 0 volts
 Maximum cathode current 2.5 ma
 Maximum dc diode current 0.25 ma

Typical Operating Conditions and Characteristics
 Plate voltage 67.5 volts
 Grid #2 voltage 67.5 volts
 Grid #1 voltage 0 volts
 Plate resistance (approx.) 0.8 megohms
 Transconductance 500 micromhos
 Plate current 0.9 ma
 Grid #2 current 0.25 ma

2/10/56 THE FEDERATION OF JAPAN ELECTRIC
COMMUNICATION INDUSTRIAL ASSOCIATIONS
"Sankei Kaikan" Bldg. 1A55/1U5-SF
3, 1-chome, Ohte-machi, Chiyoda-ku, Tokyo,
J A P A N

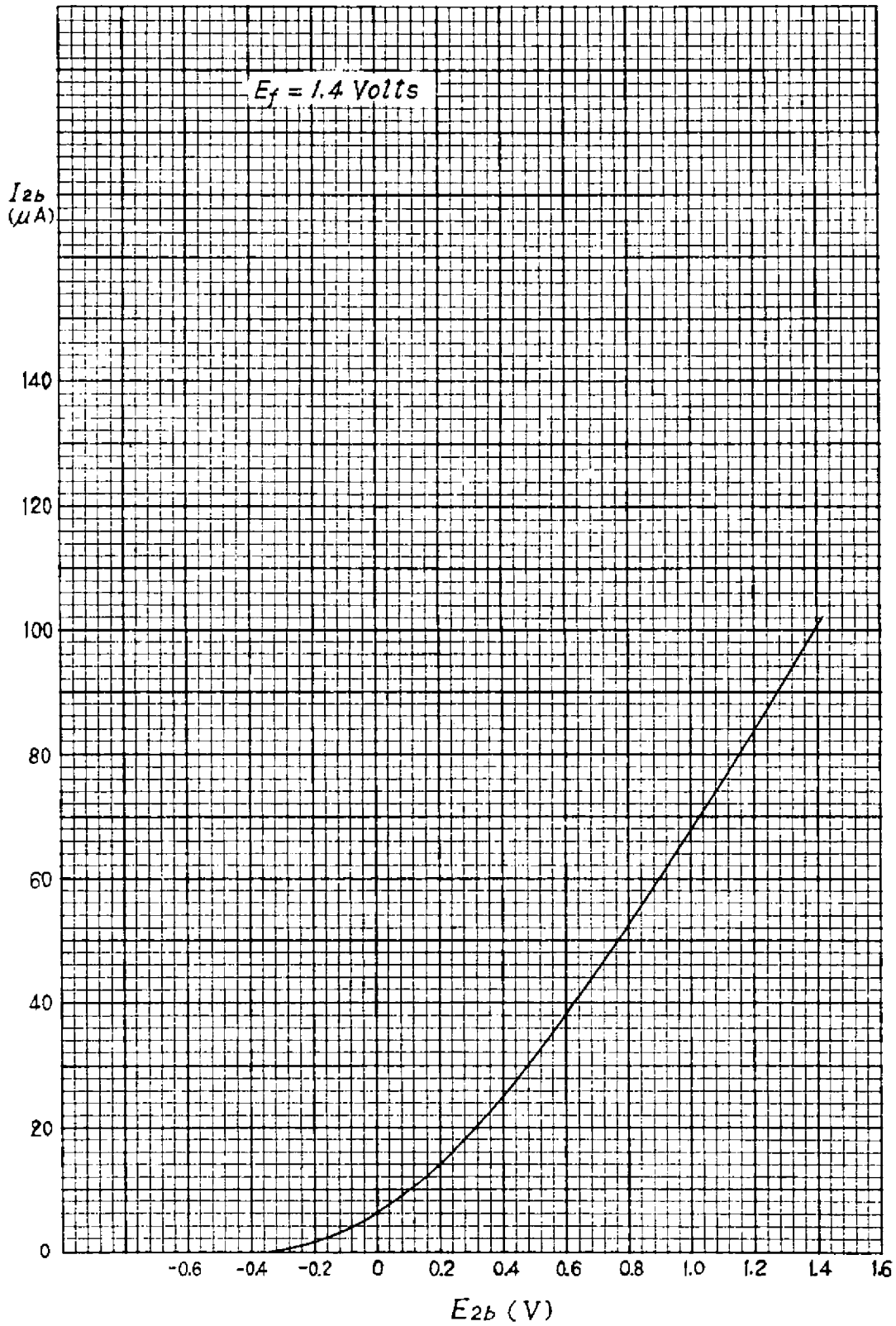
IAR5/IS5-SF & IAS5/IU5-SF

E_b , I_b , I_{c2} Characteristics Curves



1AR5/1S5-SF & 1AS5/1U5-SF

E_{2b} - I_{2b} Characteristics Curves



IAR5/IS5-SF & IAS5/IU5-SF

E_{c1} I_b , I_{c2} , g_m Characteristics Curves

