

RETMA Registration Data  
TYPE 1AM4/1T4-SF  
RF REMOTE CUTOFF PENTODE

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 ..... 6AR  
Pin 1 - Negative filament, Pin 5 - Negative filament  
Internal shield, Internal shield,  
Grid #3 Grid #3  
Pin 2 - Plate Pin 6 - Grid #1  
Pin 3 - Grid #2 Pin 7 - Positive filament  
Pin 4 - No connection  
Mounting position ..... Any

ELECTRICAL DATA

Filament Characteristics  
Filament voltage (dc) ..... 1.4 volts  
Filament current ..... 25 ma  
Direct Interelectrode Capacitance  
Grid to plate : (g1 to p)\* ..... 0.01 uuf max.  
Input : g1 to (f+g3, 1.s.+g2)\*\* ..... 3.6 uuf  
Output : p to (f+g3, 1.s.-g2)\*\* ..... 7.5 uuf  
\*External shield #316 connected to pin #1  
\*\*Without external shield

Ratings (Design center values)  
Maximum plate voltage ..... 90 volts  
Maximum grid #2 voltage ..... 67.5 volts  
Maximum grid #2 supply voltage ..... 90 volts  
Maximum positive grid #1 voltage ..... 0 volts  
Maximum cathode current ..... 3.5 ma

Typical Operating Conditions and Characteristics  
Plate voltage ..... 90 volts  
Grid #2 voltage ..... 67.5 volts  
Grid #1 voltage ..... 0 volts  
Plate resistance (approx.) ..... 0.5 megohms  
Transconductance ..... 350 micromhos  
Plate current ..... 2.4 ma  
Grid #2 current ..... 0.9 ma  
Grid #1 voltage (approx.), for 10 micromhos  
transconductance ..... -16 volts

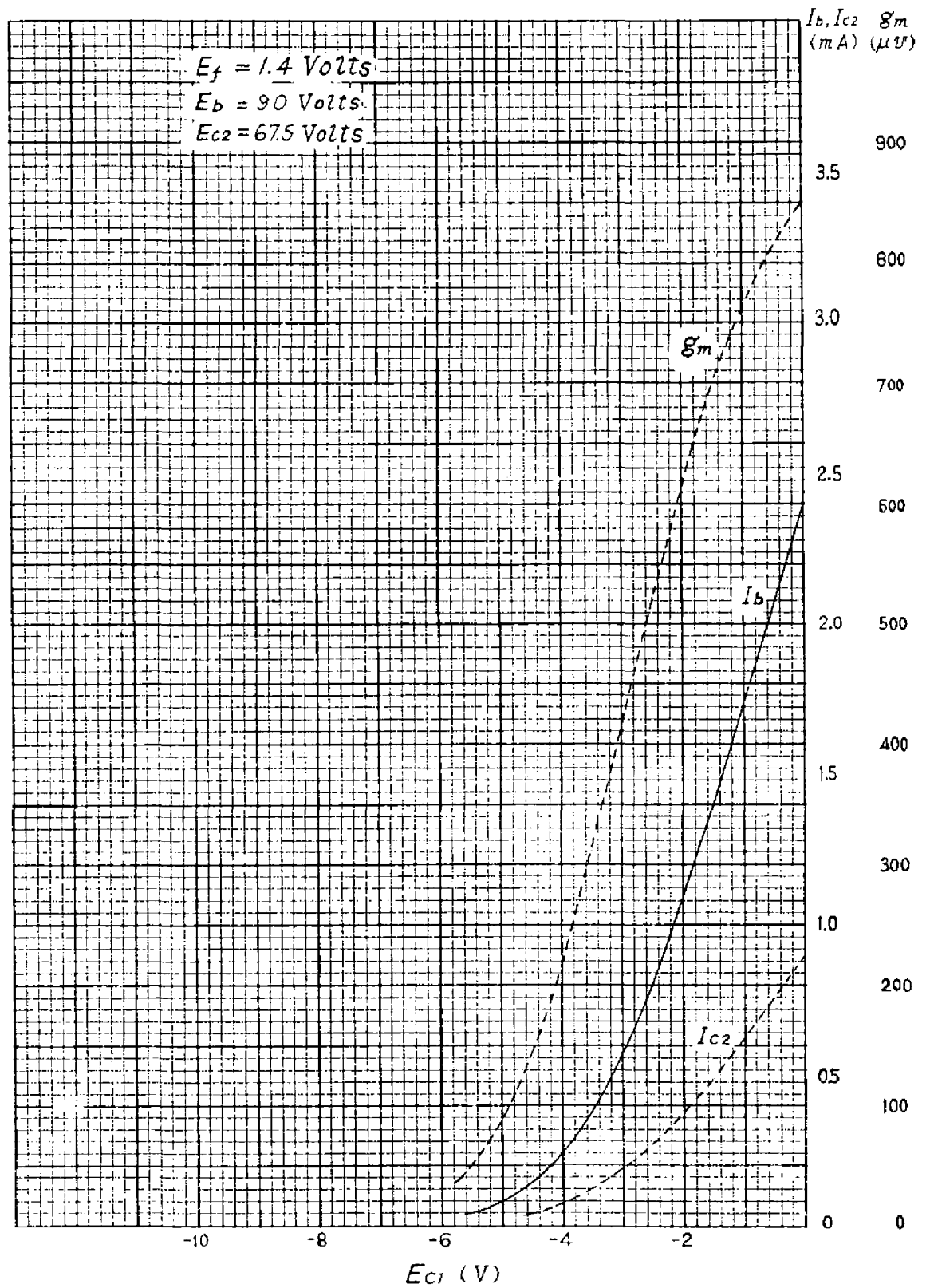
---

2/10/56 THE FEDERATION OF JAPAN ELECTRIC  
COMMUNICATION INDUSTRIAL ASSOCIATIONS  
"Sankei Kaikan" Bldg. 1AM4/1T4-SF  
3, 1-chome, Ohte-machi, Chiyoda-ku, Tokyo,  
J A P A N

---

# 1AM4/IT4-SF

## $E_{c1}$ - $I_b$ , $I_{c2}$ , $g_m$ Characteristics Curves



# 1AM4/1T4-SF

## $E_b - I_b, I_{c2}$ Characteristics Curves

