

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

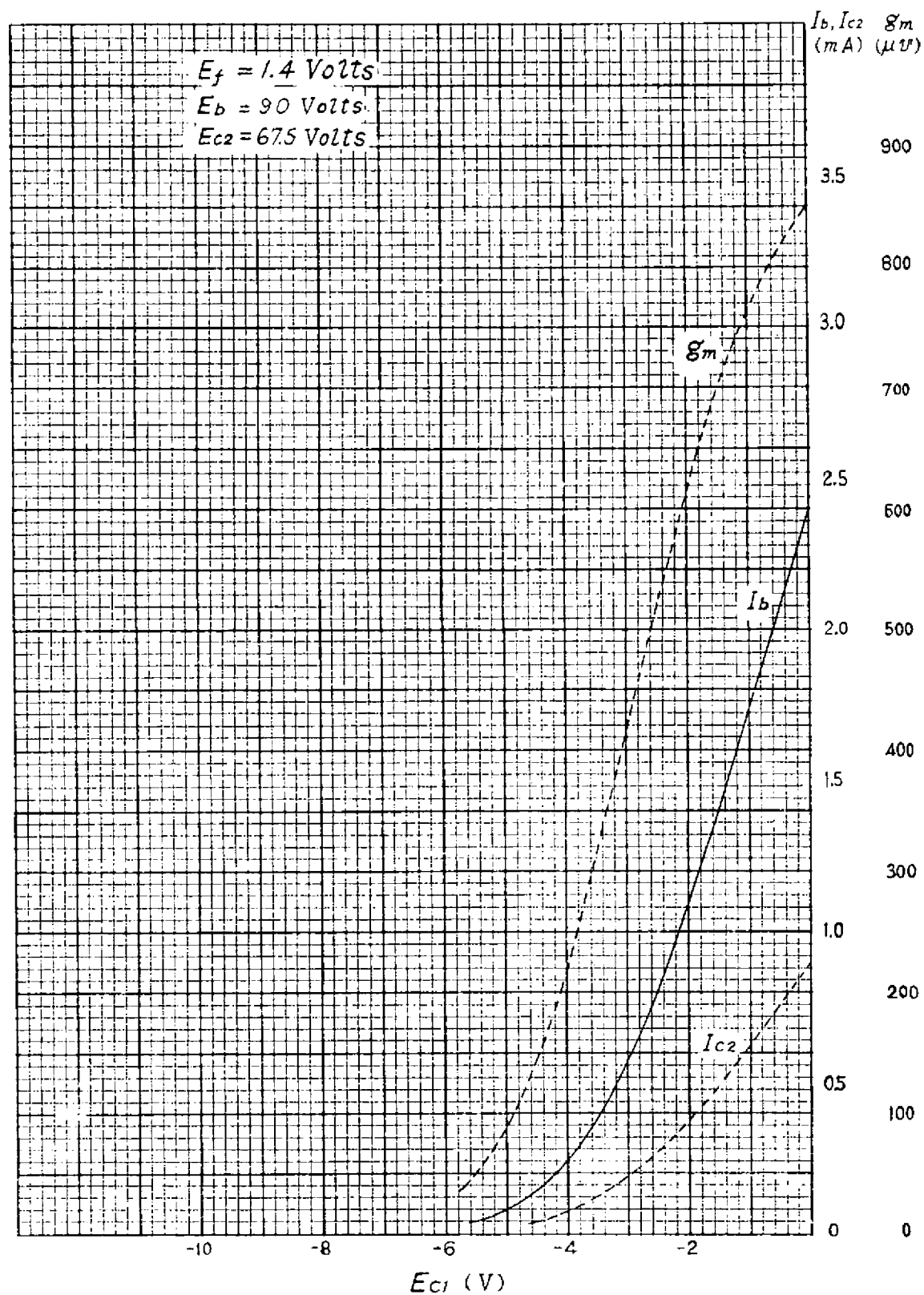
Ratings (Design center values)
Maximum plate voltage 90 volts
Maximum grid #2 voltage 67.5 volts
Maximum grid #2 supply voltage 90 volts
Maximum positive grid #1 voltage 0 volts
Maximum cathode current 3.5 ma

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



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

