from JETEC release
#1664, June 11, 1956

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, Internal shield, Grid #3	Pin 5 - Negative filament Internal shield, 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 : (g1to p)*	0.01 uuf max.
Input : g1 to (f+g3, i.s.+g2)**	3.6 uuf
Output : p to (f+g3, i.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

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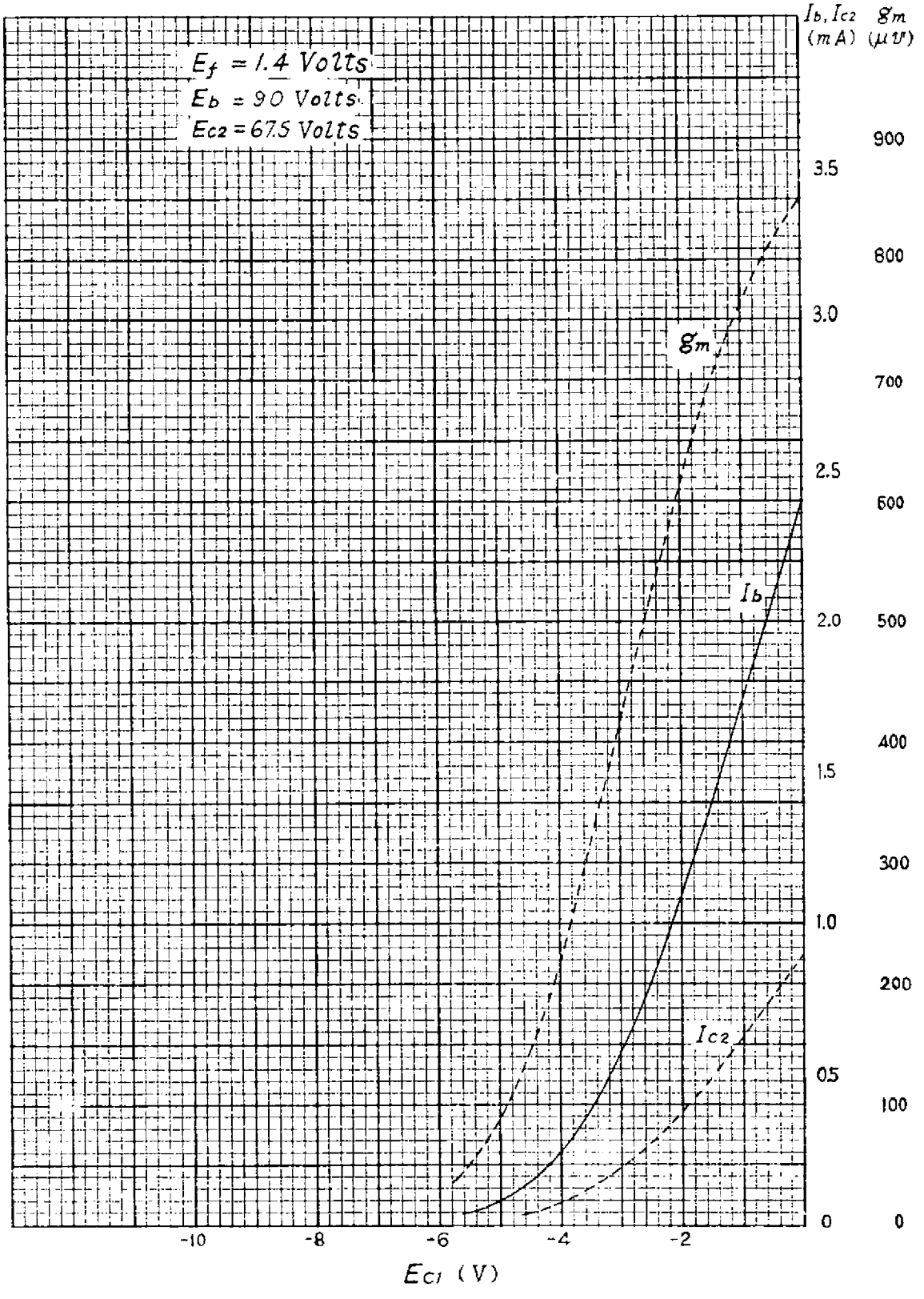
E_{c1}-I_b, I_{c2}, g_m Characteristics Curves



1AM4 / 1T4-SF

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