

RETMA Registration Data

TYPE 3Z4

POWER AMPLIFIER 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 Basing7BA
 Pin 1 ... Negative Filament Pin 5 ... Filament Centre Tap
 (Parallel) & Grid No.3 (Parallel)
 Pin 2 ... Plate Pin 6 ... Plate
 Pin 3 ... Grid No.1 Pin 7 ... Positive Filament
 Pin 4 ... Grid No.2
 Mounting Position Any

Electrical Data

Filament Characteristics	Parallel	Series
Filament Voltage (dc).....	1.4 V	2.8 V
Filament Current.....	50 mA	25 mA

Ratings (Design Centre Values)

Maximum Plate Voltage.....	90 V
Maximum Grid No.2 Voltage	67.5 V
Maximum Cathode Current	11 mA

Typical Operating Conditions and Characteristics

Plate Voltage	67.5 V
Grid No.2 Voltage	67.5 V
Grid No.1 Voltage	-7 V
Plate Resistance (approx.).....	0.1 megohm
Transconductance	1450 micro mhos
Peak a-f Signal Voltage	7 V
Zero Signal Plate Current	6.5 mA
Zero Signal Grid No.2 Current	1.3 mA
Load Resistance	8000 ohms
Total Harmonic Distortion	12 %
Power Output	0.21 W

THE FEDERATION OF JAPAN ELECTRIC
 COMMUNICATION INDUSTRIAL ASSOCIATIONS

10/31/56

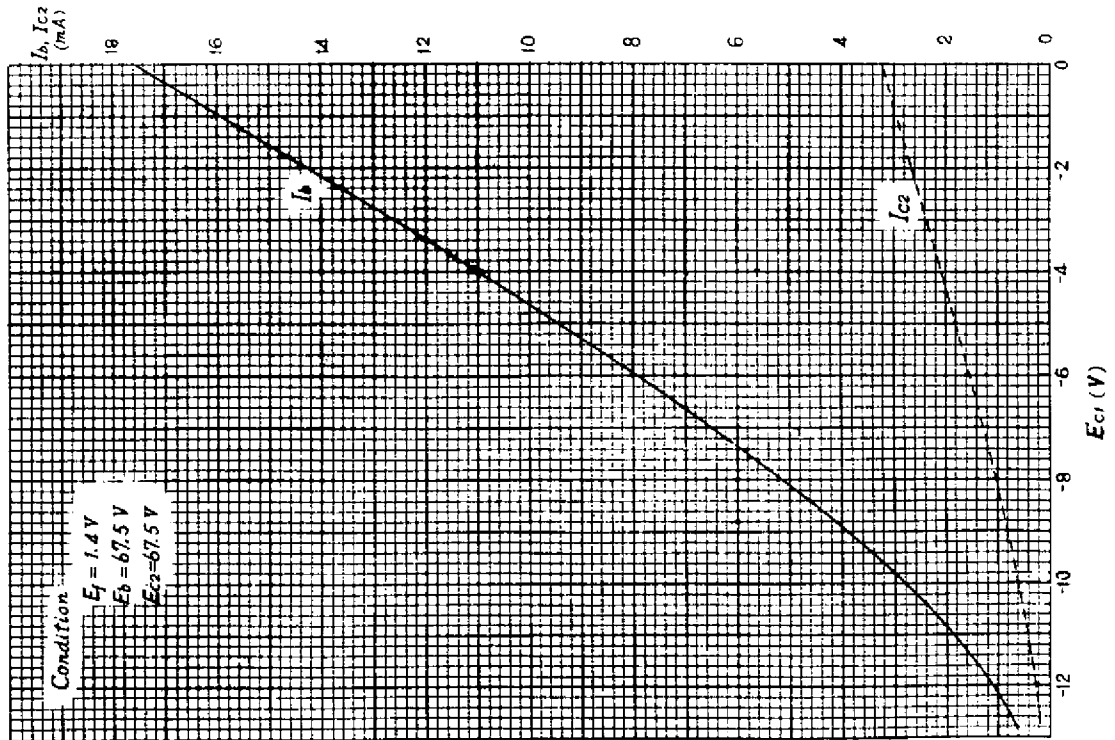
"Sankei Kaikan" Bldg.

3Z4

3.1-chome, Ohte-machi, Chiyoda-ku Tokyo JAPAN

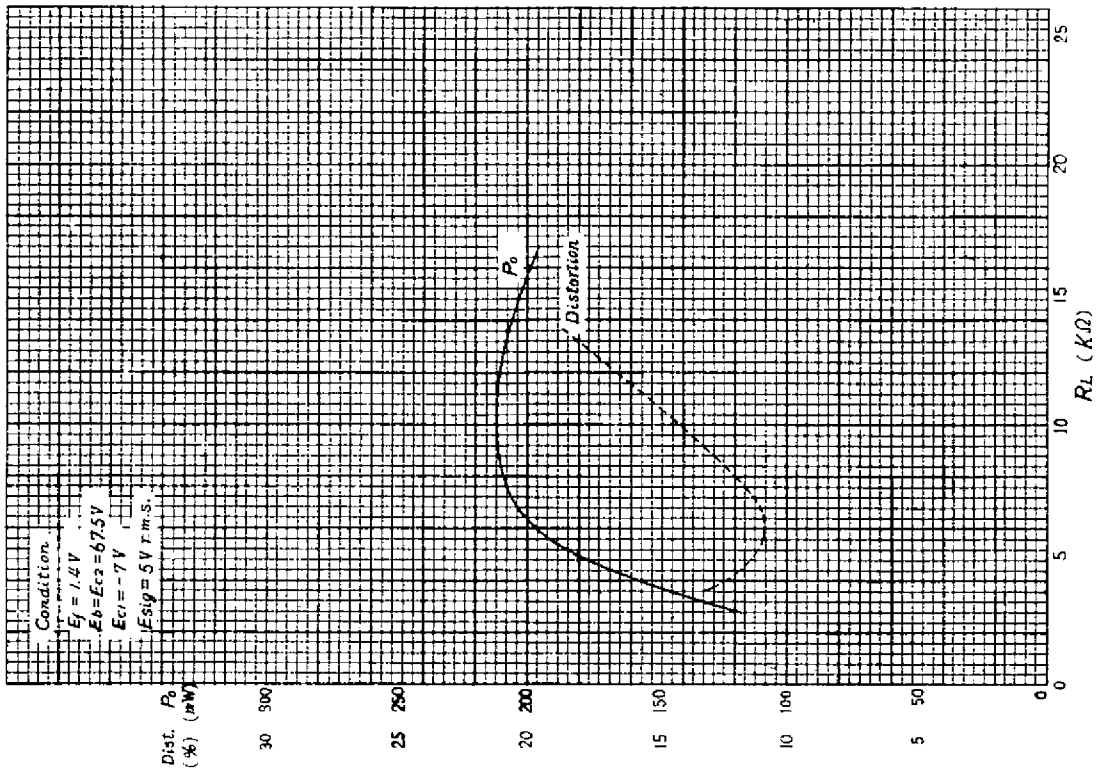
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$E_{c1} - I_b, I_{c2}$



3Z4

$R_L - P_o, Distortion$



3Z4

$E_b - I_b, I_{c2}$

