The CK6088 is a subminiature power amplifier pentode of low filament current designed for use in portable and wearable equipment. The flexible terminal leads may be soldered or welded directly to the terminals of circuit components without the use of sockets. Standard inline subminiature sockets may be used by cutting the leads to a suitable length.

MECHANICAL DATA

ENVELOPE: T-2 X 3 Glass
BASE: None (0.016" tinned flexible leads. Length: 1.5" min.
Spacing: 0.048" center-to-center)
TERMINAL CONNECTIONS: (Red Dot is adjacent to lead 1)
   Lead 1 Plate
   Lead 2 Screen Grid
   Lead 3 Filament, Negative
   Lead 4 Control Grid
   Lead 5 Filament, Positive
   One Deflector
   One Deflector
MOUNTING POSITION: Any

ELECTRICAL DATA

RATINGS - ABSOLUTE MAXIMUM VALUES:
   Filament Voltage
   Plate Voltage
   Screen Grid Voltage
   Cathode Current
   1.25 ± 20% volts
   67.5 volts
   67.5 volts
   1.5 ma

CHARACTERISTICS AND TYPICAL OPERATION:
   Filament Voltage
   Filament Current
   Plate Voltage
   Screen Grid Voltage
   Control Grid Voltage
   Zero-Signal Plate Current
   Zero-Signal Screen Grid Current
   Transconductance
   Plate Resistance (approx.)
   Load Resistance
   Power Output
   Distortion (approx.)
   1.25 volts
   20 ma
   45 volts
   45 volts
   1.25 volts
   650 ma
   150 ma
   625 ohms
   0.7 megohm
   0.08 megohm
   10.5 mw
   10 percent
AVERAGE PLATE CHARACTERISTICS

(Triode Connected)

Conditions:
E2 = 1.25 V
G2 Connected to Plate
AVERAGE CHARACTERISTICS

Conditions:
- $E_f = 1.25$ v
- $R_{g1} = 5$ meg.
- $E_{sig} = 0.9$ volts
- $E_b = E_c2 = 45$ volts

Power Output

Harmonic Distortion - %

Load Resistance - Kilohms

Raytheon Manufacturing Company
Receiving and Cathode Ray Tube Operations
March 30, 1956
Newton 58, Mass.