

POWER AMPLIFIER PENTODES

TYPES
6760 AND 6761
(JUNE 2, 1955)

Types 6760 and 6761 are in the miniature 9-pin construction. They are designed for longlife operation and reliable service under vibration conditions. The tubes are intended for use as output tubes in telephone equipments and industrial applications, especially in broad-band amplifiers. Except for heater ratings the 6760 is identical with the 6761.

MECHANICAL DATA

Cathode: Coated Unipotential
Base: RETMA E9-1, Small Glass Button 9-pin
Bulb: T - 6 $\frac{1}{2}$
Max. Diameter: 7/8 "
Max. Overall Length: 2-3/4 "
Max. Seated Height: 2-1/2 "
Basing Connections: RETMA 9 CE
Mounting Position: Any

Pin No 1 - Plate	Pin No 6 - Plate
Pin No 2 - Grid No 1	Pin No 7 - Grid No 2
Pin No 3 - Cathode and Grid No 3	Pin No 8 - Cathode and Grid No 3
Pin No 4 - Heater	Pin No 9 - No Connection
Pin No 5 - Heater	

ELECTRICAL DATA

Direct interelectrode capacitances, without external shield

Grid No 1 to Plate: g1 to p	0.4	uuF
Input: g1 to h + k + g2 + g3	11	uuF
Output: p to h + k + g2 + g3	5	uuF

Maximum ratings

Plate Voltage	250	volts
Grid No 2 Voltage	200	volts
Plate Dissipation	10	watts
Grid No 2 Dissipation	1.5	watts
Cathode Current	100	milliamps
Heater - Cathode Voltage	100	volts

Typical operation. Class A1 amplifier. TYPE 6760 TYPE 6761

Heater Voltage	18.0	6.3	volts
Heater Current	0.35	1.0	amps
Plate Voltage	130	130	volts
Grid No 2 Voltage	130	130	volts
Cathode Bias Resistor	100	100	ohms
Plate Current	70	70	milliamps
Grid No 2 Current	3.5	3.5	milliamps
Transconductance	12.000	12.000	umhos
Grid No 1 Voltage approx. for Ib = 10 uA	-25	-25	volts
Load Resistor	2000	2000	ohms
Power Output at 10 % Distortion	3.0	3.0	watts

