

6661/6BH6 SHARP-CUTOFF PENTODE

7-PIN MINIATURE TYPE

For use in mobile communications equipment

GENERAL DA	ATA	

GENERAL	DATA		
Electrical:			
Heater, for Unipotential Cathode Voltage 6.3 Current at 6.3 volts 0.15 Direct Interelectrode Capacitanc	± 20%*	ac or	dc volts amp
		With Extern	a l
	Shield	Shield	
Grid No.1 to plate Grid No.1 to cathode, grid No.3 & internal shield,	0.0035 max.	0.0035 n	nax. μμ.f
grid No.2, and heater Plate to cathode, grid No.3 & internal shield, grid	5.4	5.4	<i>μμι</i> f
No. 2, and heater	4.4	4.4	μμf
Characteristics, Class A, Amplif	ier:		
Heater Voltage	onnected to	. 250 cathode a	volts volts t socket
Grid-No.2 Supply Voltage Cathode Resistor		. 150 . 100	volts ohms megohms
Transconductance		4600	μmhos ma ma
Grid-No.1 Voltage (Approx.) for plate $\mu a = 10 \dots$		7.7	volts
Mechanical:			
Operating Position	veluding tin		Any 2-1/8" 1-7/8"
Diameter	Se	0.650" t e General	0.750" Section
Bulb Small-Button Min Basing Designation for BOTTOM	iature 7-Pin VIEW	(JEDEC N	o. E7-1)
Pin 1 – Grid No. 1 Pin 2 – Cathode Pin 3 – Heater Pin 4 – Heater Pin 5 – Plate			

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(RCA) 6661/6BH6

SHARP-CUTOFF PENTODE

AMPLIFIER — Class A ₁			
Maximum Ratings, Design-Maximum Values:			
PLATE VOLTAGE			
VOLTAGE			
at front of Receiving Tube Section			
GRID-No.1 (CONTROL-GRID) VOLTAGE:			
Negative-bias value			
GRID-No.2 INPUT: For grid-No.2 voltages			
up to 165 volts			
between 165 and 330 volts See Grid-No.2 Input Rating Chart			
at front of Receiving Tube Section			
PLATE DISSIPATION 3.3 max. watts PEAK HEATER-CATHODE VOLTAGE:			
Heater negative with respect to cathode 100 max. volts Heater positive with respect to cathode 100 max. volts			
*When the heater is operated from storage-battery-with-charger supply or similar supplies, the normal battery-voltage fluctuation may be as much as 35 per cent or more. Although such variation in heater voltage is permissible for short periods, reliability can be increased with improved supply-voltage regulation.			
O With external shield JEDEC No.316 connected to cathode.			
SPECIAL RATINGS & PERFORMANCE DATA			
Heater-Cycling Life Performance:			
This test is performed on a sample lot of tubes from each production run. A minimum of 2000 cycles of intermittent operation is applied under the following conditions: heater volts = 7.5 cycled one minute on and one minute off, heater 135 volts positive with respect to cathode, and all other elements connected to ground. At the end of this test, tubes are checked for heater-cathode shorts and open circuits.			
Transconductance at Reduced Heater Voltage:			
Average Value			