

6660/6BA6 REMOTE-CUTOFF PENTODE

7-PIN MINIATURE TYPE

For use in mobile communications equipment

GENERAL	DATA		
Electrical:			
Heater, for Unipotential Cathode: Voltage 6.3 Current at 6.3 volts 0.3	± 20%*	. ac or	dc volts amp
Direct Interelectrode Capacitance			
	Without External Shield	With Externa Shield	
Grid No.1 to plate 0 Grid No.1 to cathode, grid No.3 & internal shield,	.0035 max.	0.0035 ma	ax. <i>μμ</i> f
grid No.2, and heater Plate to cathode, grid No.3 & internal shield, grid	5.5	5.5	μμf
No.2, and heater	5	5.5	$\mu\mu$ f
Characteristics, Class A, Amplifi	er:		
Heater Voltage	nnected to c 100 68 0.25	250 athode an 100 68 1	volts ohms
Transconductance. Plate Current Grid-No.2 Current Grid-No.1 Voltage (Approx.) for transconductance = 40 µmhos.	10.8	4400 11 4.2 -20	μmhos ma ma volts
Mechanical:			
Operating Position	cluding tip) See ature 7-Pin	1-1/2" 0.650" to General	1-7/8" ± 3/32" 0 0.750" Section .T5-1/2 0. E7-1)
Pin 1-Grid No.1 Pin 2-Grid No.3 Internal Shield Pin 3-Heater	Pi	n 4-Hea n 5-Pla n 6-Grid n 7-Catl	te d No.2

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660°

(RCA) 6660/6BA6

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AMPLIFIER Class A			
Maximum Ratings, Design-Naximum Values:			
PLATE VOLTAGE 330 max. volts GRID-No.2 (SCREEN-GRID) SUPPLY			
VOLTAGE			
at front of Receiving Tube Section			
GRID-No.1 (CONTROL-GRID) VOLTAGE:			
Negative-bias value 55 max. volts Positive-bias value 0 max. volts			
GRID-No.2 INPUT: For grid-No.2 voltages up			
to 165 volts 0.65 max. watt			
For grid-No.2 voltages 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			
* 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.			
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 cir- cuits.			
Transconductance at Reduced Heater Voltage:			
Average Value			
With heater volts = 5, plate.supply volts = 250, grid No.3 connected to cathode at socket, grid-No.2 supply volts = 100, and cathode resistor (ohms) bypassed = 68.			