

from JETEC release #1526, Oct. 10, 1955

TUBE TYPE 6CJ5

The 6CJ5 is a remote cut-off R.F. pentode.

PHYSICAL SPECIFICATIONS

Cathode	Coated unipotential
Base	E8-30
Bulb	Glass
Maximum overall length	2-3/8" {60mm}
Maximum seated height	2-1/16" {53mm}
Maximum diameter	7/8" {22mm}
Mounting position	Any

BASING CONNECTIONS 8GW

Pin 1	Heater	Pin 5	Grid No. 2
Pin 2	Plate	Pin 6	Grid No. 1
Pin 3	Internal connection	Pin 7	Cathode, Grid No. 3, Internal Shield
Pin 4	Internal connection	Pin 8	Heater

GENERAL ELECTRICAL DATA

Heater Voltage	6.3	volts
Heater Current	0.2	amps

ELECTRODE CAPACITANCES

Plate to Grid No. 1	<0.002	μF
Grid No. 1 to heater	<0.05	μF
Input	4.7	μF
Output	8.0	μF

MAXIMUM RATINGS (Design Centre Values)

Plate supply voltage	550	volts
Plate voltage	300	volts
Plate dissipation	2	watts
Grid No. 2 supply voltage	550	volts
Grid No. 2 voltage		
{plate current < 3ma}	300	volts
{plate current = 6ma}	125	volts
Grid No. 2 dissipation	0.3	watts
Cathode current	10	ma
Grid No. 1 circuit resistance	3	megohms
Voltage between heater and cathode	50	volts
External resistance between heater and cathode	20,000	ohms

CHARACTERISTICS

Plate voltage	250	volts
Grid No. 2 voltage	100	volts
Plate current	6	ma
Grid No. 2 current	1.7	ma
Grid No. 1 voltage	-2.5	volts
Transconductance	2,200	μmhos
Plate resistance	1	megohm
Grid No. 1 bias for transconductance of 22 μmhos	-39	volts
Amplification factor of Grid No. 2 with respect to Grid No. 1	18	



