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TUBE TYPE 12AC5

The 12AC5 is a remote cut-off R.F. pentode.

PHYSICAL SPECIFICATIONS

Cathode	Coated unipotential
Base	E8-30
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,
Pin 4	Internal connection		internal shield
		Pin 8	Heater

GENERAL ELECTRICAL DATA

Heater voltage	12.6	volts
Heater current	0.1	amps

ELECTRODE CAPACITANCES

Plate to Grid No. 1	0.002	μF
Grid No. 1 to heater	0.05	μF
Input	5.0	μF
Output	7.0	μF

MAXIMUM RATINGS (Design Centre Values)

Plate supply voltage	550	volts
Plate voltage	250	volts
Plate dissipation	2	watts
Grid No. 2 supply voltage	550	volts
Grid No. 2 voltage (plate current < 4ma)	250	volts
Grid No. 2 voltage (plate current = 7.2ma)	150	volts
Grid No. 2 dissipation	0.3	watts
Cathode current	10	ma
Grid No. 1 circuit resistance	3	megohms
Voltage between heater and cathode	150	volts
External resistance between heater and cathode	20,000	ohms

CHARACTERISTICS

Plate voltage	200	volts
Grid No. 2 voltage	116	volts
Plate current	7.2	ma
Grid No. 2 current	2.1	ma
Grid No. 1 voltage	-3.0	volts
Transconductance	2,300	μmhos
Plate resistance	1	megohms
Grid No. 1 bias for transconductance of 23 μmhos	-34	volts
Amplification factor of Grid No. 2 with respect to Grid No. 1	18	



