WESTINGHOUSE PRINTED CIRCUIT TUBE TYPE WL-7430

The WL-7430 is a sharp-cutoff pentode designed for service as a wide-band, high-frequency amplifier. This tube has characteristics similar to the type 6AK5.

The WL-7430 features a new envelope design which makes the tube extremely rugged. This new envelope also permits better lead isolation and uses flying leads designed to be soldered into the circuit. The arrangement of the leads in the WL-7430 reduces lead inductance and facilitates design of a multitube distributed amplifier circuit which takes the form of a transmission line.

The WL-7430 also finds applications in critical circuits requiring a high degree of physical and electrical stability.

ELECTRICAL:

Cathode	Coated Unipotential	
Heater:		
Voltage (ac or dc)	6.3	Volts
Current	0.2	Amperes

MAXIMUM RATINGS:

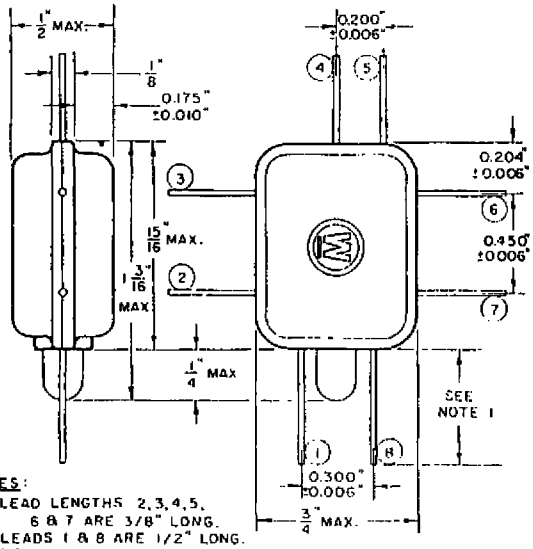
Design Center Values

Plate Voltage	180	max.	Volts
Grid 2 Voltage	140	max.	Volts
Positive Grid 1 Voltage	0	max.	Volts
Plate Dissipation	1.7	max.	Watts
Grid 2 Dissipation	0.5	max.	Watts
Cathode Current	18	max.	Ma.

TYPICAL OPERATING CHARACTERISTICS

Plate Voltage	120	180	Volts
Grid 2 Voltage	120	120	Volts
Grid 1 Voltage	-2	-2	Volts
Plate Resistance	0.3	0.5	Megohm
Transconductance	5000	5100	μmhos
Plate Current	7.5	7.7	Ma.
Grid 2 Current	2.5	2.4	Ma.
Grid 1 Cutoff Voltage⊕	-8.5	-8.5	Volts

⊕ For plate current of 20 microamperes.



NOTES:
1. LEAD LENGTHS 2,3,4,5, 6 & 7 ARE 3/8" LONG. LEADS 1 & 8 ARE 1/2" LONG.
2. LEAD CENTER DIAMENSIONS APPLY WHERE THE LEAD INTERSECTS THE ENVELOPE.
3. ALL LEADS TO HAVE A TINNED DIA OF .020 ±.0015.

LEAD CONNECTIONS

Lead No.	Element
1	Heater & Cathode
2	Plate
3	Grid 1
4	Cathode & Grid 3
5	Grid 2
6	Grid 1
7	Plate
8	Heater