

TUNG-SOL

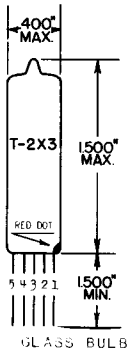
PENTODE
SUBMINIATURE TYPE

COATED FILAMENT

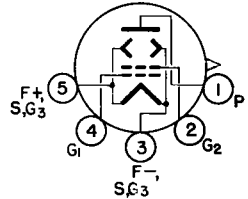
1.25 VOLTS 50 MA.

DC

ANY MOUNTING POSITION



COLOR DOT IS ADJACENT
TO LEAD 1



BOTTOM VIEW
0.016" TINNED
FLEXIBLE LEADS
0.048" SPACING
CENTER-TO-CENTER

GRID #3 IS COMPRISED OF
TWO SEPARATE BEAM PLATES,
ONE OF WHICH IS CONNECTED
TO LEAD #3 THE OTHER TO
LEAD #5

THE 5678 IS A FILAMENT TYPE, SUBMINIATURE PENTODE DESIGNED FOR SERVICE IN RF APPLICATIONS REQUIRING ECONOMY OF SPACE, WEIGHT AND BATTERY DRAIN. A COATED METALLIC SHIELD IS USED AND CONNECTED TO LEAD #3. THE FLEXIBLE TERMINAL LEADS MAY BE SOLDERED OR WELDED TO CIRCUIT COMPONENTS WITHOUT THE USE OF SOCKETS. STANDARD SUBMINIATURE SOCKETS MAY BE USED BY CUTTING THE LEADS TO 0.20" LENGTH.

DIRECT INTERELECTRODE CAPACITANCES

| | | |
|----------------------|------|----|
| GRID TO PLATE (MAX.) | 0.01 | pf |
| INPUT | 3.3 | pf |
| OUTPUT | 3.8 | pf |

RATINGS

INTERPRETED ACCORDING TO DESIGN-MAXIMUM SYSTEM

| | | |
|-------------------------|------|-------|
| MAXIMUM PLATE VOLTAGE | 90 | VOLTS |
| MAXIMUM GRID #2 VOLTAGE | 67.5 | VOLTS |

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER

| | | | |
|---|------|-------|------------|
| PLATE VOLTAGE | 45 | 67.5 | VOLTS |
| GRID #2 VOLTAGE | 45 | 67.5 | VOLTS |
| GRID #1 VOLTAGE ^A | 0 | 0 | VOLTS |
| PLATE RESISTANCE | 1.2 | 1.0 | MEG OHMS |
| TRANSCONDUCTANCE | 820 | 1 100 | μ MHOS |
| PLATE CURRENT | 0.8 | 1.8 | MA. |
| GRID #2 CURRENT | 0.22 | 0.48 | MA. |
| GRID #1 VOLTAGE (APPROX.) FOR TRANSCONDUCTANCE = 10 μ MHOS | -3 | -4 | VOLTS |

^A GRID RESISTOR = 5 MEGOHMS.

