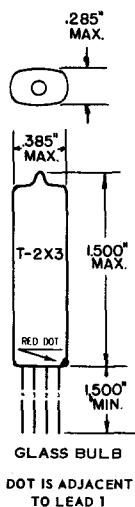
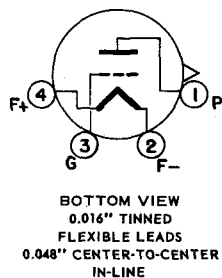


**TUNG-SOL**

**TRIODE**  
SUBMINIATURE TRIODE

FOR  
AMPLIFIER OR OSCILLATOR  
APPLICATIONS

COATED FILAMENT  
ANY MOUNTING POSITION



THE 6286 IS A FILAMENTARY TYPE TRIODE OF SUBMINIATURE CONSTRUCTION WITH 4 FLEXIBLE LEADS. IT IS DESIGNED FOR USE AS AN AMPLIFIER OR OSCILLATOR IN MILITARY APPLICATIONS.

**DIRECT INTERELECTRODE CAPACITANCES**  
WITHOUT EXTERNAL SHIELD

|                   |     |    |
|-------------------|-----|----|
| GRID TO PLATE     | 1.6 | pf |
| GRID TO FILAMENT  | 1.3 | pf |
| PLATE TO FILAMENT | 2.1 | pf |

**FILAMENT CHARACTERISTICS AND RATINGS**  
ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239

|                           |      |       |            |       |
|---------------------------|------|-------|------------|-------|
| AVERAGE CHARACTERISTICS   | 1.25 | VOLTS | 125        | MA.   |
| LIMITS OF APPLIED VOLTAGE |      |       | 1.25 ± .25 | VOLTS |

**MAXIMUM RATINGS**

ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239

|                   |      |       |
|-------------------|------|-------|
| PLATE VOLTAGE     | 100  | VOLTS |
| PLATE DISSIPATION | 0.45 | WATT  |
| PLATE CURRENT     | 7.0  | MA.   |

CONTINUED ON FOLLOWING PAGE

## TUNG-SOL

CONTINUED FROM PRECEDING PAGE

## CHARACTERISTICS

|                                             |       |            |
|---------------------------------------------|-------|------------|
| PLATE VOLTAGE                               | 67.5  | VOLTS      |
| GRID VOLTAGE                                | -2.0  | VOLTS      |
| PLATE CURRENT                               | 6.0   | MA.        |
| TRANSCONDUCTANCE                            | 2,100 | $\mu$ MHOS |
| AMPLIFICATION FACTOR                        | 11.5  |            |
| GRID VOLTAGE (APPROX.) FOR $I_b = 50 \mu A$ | -8.5  | VOLTS      |

## TYPICAL OSCILLATOR CHARACTERISTICS AT 25 MC/S

|                         |        |         |
|-------------------------|--------|---------|
| PLATE VOLTAGE           | 67.5   | VOLTS   |
| PLATE SUPPLY RESISTANCE | 1,500  | OHMS    |
| GRID RESISTANCE         | 18,000 | OHMS    |
| PLATE CURRENT           | 5.25   | MA.     |
| GRID CURRENT            | 325    | $\mu A$ |

