TUNG-SOL

DIODE PENTODE

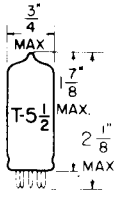
MINIATURE TYPE

COATED FILAMENT

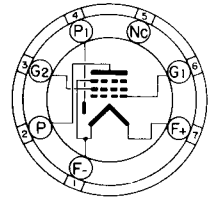
1.4 VOLTS 0.05 AMP.

AC OR DC

ANY MOUNTING POSITION



GLASS BULB



BOTTOM VIEW

MINIATURE BUTTON
7 PIN BASE

6BW

THE DIODE PLATE IS LOCATED AT THE NEGATIVE END OF THE FILAMENT

THE 1DN5 IS A COMBINED SINGLE DETECTOR DIODE AND REMOTE CUT-OFF PENTODE WITH A COMMON FILAMENTARY CATHODE IN THE 7 PIN MINIATURE CONSTRUCTION. THE PENTODE SECTION IS INTENDED FOR USE AS AN AUDIO AMPLIFIER IN LIGHT-WEIGHT, PORTABLE EQUIPMENT AT LOW PLATE SUPPLY VOLTAGE. THE DESIGN OF THIS TYPE PERMITS THE APPLICATION OF AVC VOLTAGE TO THE CONTROL GRID, THEREBY IMPROVING OVERALL RECEIVER AVC.

DIRECT INTERELECTRODE CAPACITANCES
WITHOUT EXTERNAL SHIELD

DIODE PLATE TO GRID #1 (MAX.)	0.04	μμf

RATINGS
INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

FILAMENT VOLTAGE	1.4	VOLTS
MAXIMUM PLATE VOLTAGE	90	VOLTS
MAXIMUM GRID #2 VOLTAGE	90	VOLTS
MAXIMUM POSITIVE DC GRID #1 VOLTAGE	0	VOLTS
MAXIMUM NEGATIVE DC GRID #1 VOLTAGE	-50	VOLTS
MAXIMUM CATHODE CURRENT	3	MA.
MAXIMUM DIODE CURRENT FOR CONTINUOUS OPERATION	0.25	MA.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

FILAMENT VOLTAGE	1.4	VOLTS
FILAMENT CURRENT	0.05	AMP.
PLATE VOLTAGE	67.5	VOLTS
GRID #2 VOLTAGE	67.5	VOLTS
GRID #1 VOLTAGE	0	VOLTS
PLATE CURRENT	2.1	MA.
GRID #2 CURRENT	0.55	MA.
TRANSCONDUCTANCE	630	μMHOS
GRID #1 VOLTAGE (APPROX.) FOR Gm =10 μMHOS	-11.5	VOLTS
PLATE RESISTANCE (APPROX.)	0.6	MEGOHMS
AVERAGE DIODE CURRENT AT 10 VOLTS DC	1.0	MA.