

TUNG-SOL

U-H-F AMPLIFIER - OSCILLATOR TRIODE

MINIATURE TYPE

PHYSICAL SPECIFICATIONS

EMITTER COATED UNIPOT. CATHODE		PIN CONNECTIONS	
BASE	MIN. BUTTON 7-PIN	PIN 1 GRID	PIN 7 GRID
CAP		PIN 2 CATHODE	PIN 8 NONE
BULB	1-5 $\frac{1}{2}$	PIN 3 HEATER	
MAXIMUM DIAMETER	3/4"	PIN 4 HEATER	MOUNTING POS. ANY
MAXIMUM OVERALL LENGTH	1 3/4"	PIN 5 PLATE	
MAXIMUM SEATED HEIGHT	1 1/2"	PIN 6 CATHODE	
MAXIMUM HEIGHT TO CIRCLE OF 7/16" DIAMETER - 1 1/8 ± 3/32"			

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER OR FILAMENT VOLTAGE (AC OR DC)	6.3	VOLTS
HEATER OR FILAMENT CURRENT	0.200	AMP.
MAXIMUM PLATE VOLTAGE	180	VOLTS
MAXIMUM SCREEN VOLTAGE		VOLTS
MAXIMUM PLATE DISSIPATION	3.0	WATTS
MAXIMUM SCREEN DISSIPATION		WATTS

CAPACITANCES (APPROX.)

WITH CLOSE-FITTING SHIELD CONNECTED TO GRID

GRID TO PLATE	2.35	$\mu\mu\text{f}$
INPUT	3.10	$\mu\mu\text{f}$
OUTPUT	0.55	$\mu\mu\text{f}$
HEATER TO CATHODE	3.0	$\mu\mu\text{f}$

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS
CLASS A AMPLIFIER

HEATER OR FILAMENT VOLTAGE	6.3	VOLTS
HEATER OR FILAMENT CURRENT	0.200	AMPS.
PLATE VOLTAGE	180	VOLTS
SCREEN VOLTAGE		VOLTS
CONTROL GRID VOLTAGE	-3.5	VOLTS
PEAK AF SIGNAL VOLTAGE		VOLTS
ZERO-SIGNAL PLATE CURRENT		MA.
ZERO-SIGNAL SCREEN CURRENT		MA.
PLATE CURRENT	12	MA.
MAXIMUM-SIGNAL SCREEN CURRENT		MA.
PLATE RESISTANCE (APPROX.)	5400	OHMS
TRANSCONDUCTANCE (APPROX.)	6000	μMHOS
AMPLIFICATION FACTOR	32	
LOAD RESISTANCE		OHMS
TOTAL HARMONIC DISTORTION		PER CENT
POWER OUTPUT		WATTS

NOTE: THE 6N4 IS A HEATER-CATHODE TYPE OF MINIATURE TRIODE ESPECIALLY APPLICABLE AS AN AMPLIFIER OR OSCILLATOR AT FREQUENCIES EXTENDING TO APPROXIMATELY 500 MEGACYCLES.