



ELECTRONIC TUBE REFERENCE

1299

Power - Beam Single (NOT sweep) (under 10W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Special-purpose beam-power tube intended for professional or industrial electronic service, with construction and ratings beyond ordinary consumer receiver output applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	2.8 V / 110 mA	PARALLEL HEATER	1.4 V / 220 mA
HEATING	Direct	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
MAXIMUM PLATE VOLTAGE	180 V
MAXIMUM SCREEN VOLTAGE	135 V
MAXIMUM PLATE DISSIPATION	4.5 W
MAXIMUM SCREEN DISSIPATION	0.9 W
MAXIMUM CATHODE CURRENT	30 mA

Filamentary beam-power amplifier for light and portable equipment; suitable for audio and RF power-amplifier service.

SOURCE OPERATING CONDITIONS

1961 Tung Sol

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1961 TUNG SOL

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MAX IMUM PLATE VOLTAGE 180	180 VOLTS	Published datasheet value
MAX IMUM CATHODE CURRENT 30	30 MA	Published datasheet value
PLATE VOLTAGE 90 135	150 VOLTS	Published datasheet value
ZERO~-SIGNAL PLATE CURRENT 9.5 9.8	9.9 MA	Published datasheet value
ZERO-SIGNAL GRID #2 CURRENT 1.6 1.2	1 MA	Published datasheet value
MAX IMUM S IGNAL PLATE CURRENT 8.5 9.8	10.2 MA	Published datasheet value
MAX IMUM SIGNAL GRID #2 CURRENT 3.2 2	1.8 MA	Published datasheet value
LOAD RESISTANCE 8 000 12 000 14	0 OHMS	Published datasheet value
POWER OUTPUT 270 500	600 MW	Published datasheet value
PLATE CURRENT	23 MA	Published datasheet value
GRID #2 CURRENT	6 MA	Published datasheet value
TOTAL DC CATHODE CURRENT {NOT TO EXCEED	30 MA	Published datasheet value
RF POWER INPUT	0.25 WATT	Published datasheet value
RF POWER OUTPUT	1.4 WATTS	Published datasheet value