



ELECTRONIC TUBE REFERENCE

8560AS

Power - Beam (NOT sweep) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Compact conduction-cooled radial-beam tetrode for Class-AB single-sideband linear amplification and FM/CW RF service, with full ratings to approximately 500 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM SCREEN VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	200 W
MAXIMUM SCREEN DISSIPATION	12 W
MAXIMUM GRID DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	250 mA
Section values promoted from published characteristics and maximum ratings.	

Compact metal/ceramic radial beam tetrode for Class AB SSB linear and FM/CW RF amplifier service with 200 W conduction-cooled plate dissipation.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

199X Svetlana

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

199X SVETLANA

Section 1 · Beam Power

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage (AC or DC) 5.7 6.0	6.3 V	SourcePage1-2
Cathode-to-heater potential, max. ±	150 V	SourcePage1-2
Input	15.7 pF	SourcePage1-2
Output	4.5 pF	SourcePage1-2
Feedback	0.04 pF	SourcePage1-2
Maximum frequency for full ratings (CW)	500 MHz	SourcePage1-2

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC plate voltage	2000 V	SourcePage1-2
DC screen voltage	400 V	SourcePage1-2
DC plate current	250 mA	SourcePage1-2
Plate dissipation	200 W	SourcePage1-2
Screen dissipation	12 W	SourcePage1-2
Grid dissipation	2 W	SourcePage1-2
DC plate voltage 1000 1500	2000 V	TypicalOperation
DC screen voltage 350 350	350 V	TypicalOperation
DC grid voltage* -55 -55	-55 V	TypicalOperation
Zero-signal plate current 100 100	100 mA	TypicalOperation
Single tone plate current 250 250	250 mA	TypicalOperation

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Two-tone plate current 190 190	190 mA	TypicalOperation
Single-tone screen current** 10 8	5 mA	TypicalOperation
Two-tone screen current** 2 -1	-2 mA	TypicalOperation
Single-tone grid current** 0 0	0 mA	TypicalOperation
Peak rf grid Voltage** 50 50	50 V	TypicalOperation
Plate output power 120 215	300 W	TypicalOperation
Resonant load impedance 2000 3000	4000 0hms	TypicalOperation
value must be	25 0hms	TypicalOperation

TUBE TINKER

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