

ELECTRONIC TUBE REFERENCE

M8096

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Special-quality rugged VHF beam-power tetrode for RF service to approximately 175 MHz in equipment exposed to vibration and shock, with statistically controlled characteristics.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6 V / 750 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
TRANSCONDUCTANCE	0.007 S
AMPLIFICATION FACTOR	16
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	12 W
MAXIMUM SCREEN DISSIPATION	2 W
Promoted values taken from published characteristics and absolute/limiting ratings.	

SPECIAL QUALITY V.H.F. POWER TETRODE Special quality r.f. beam power tetrode for use at frequencies up to 175Mc/s in equipment where mechanical vibration and shocks are unavoidable and where statistically controlled major electrical characteristics are required. This data should be read in conjunction with GENERAL The supplied datasheet publishes electrical ratings and characteristics for this beampower device.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Mullard

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

1963 MULLARD

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	6 V	—
Heater or filament current	750 mA	—
MaxPlateVoltage	300	Promoted field source value
MaxScreenVoltage	250	Promoted field source value
MaxPlateDissipation	12	Promoted field source value
MaxScreenDissipation	2	Promoted field source value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	0.007	Promoted field source value
Amplification Factor	16	Promoted field source value