

ELECTRONIC TUBE REFERENCE

LA93B

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Packaged 7-11.5 GHz traveling-wave amplifier for general-purpose radar, providing at least 30 dB gain and 10 mW saturated output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 500 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	TravelingWave
No fixed ratings recorded.	
Forward-wave/traveling-wave interaction structure.	

The Mullard LA93B is a broadband forward-wave/traveling-wave microwave amplifier.

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 · TravelingWave

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	500 mA	—
Frequency Minimum	7 GHz	—
Frequency Maximum	11.5 GHz	—
Minimum Gain	30 dB	LowPowerLevel
Maximum Noise Factor	22 dB	—
Saturation Power Output	10 mW	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating Frequency	9 GHz	—
Collector Voltage	1400 V	—
Helix Voltage	1300 V	—