

ELECTRONIC TUBE REFERENCE

LA162C

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Packaged 11.5–18 GHz forward-wave amplifier with periodic permanent-magnet focusing, providing at least 20 dB gain and milliwatt-level saturated output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	8.5 V / 400 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 LA162C 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	8.5 V	—
Heater Current	400 mA	—
Frequency Minimum	11.5 GHz	—
Frequency Maximum	18 GHz	—
Minimum Gain	20 dB	LowPowerLevel
Maximum Noise Factor	28 dB	—
Saturation Power Output	1 mW	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating Frequency	15 GHz	—
Collector Voltage	1700 V	—
Helix Voltage	1600 V	—

TUBE TINKER

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and their source documents.

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