

ELECTRONIC TUBE REFERENCE

LD570

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

Narrowband 2.7-2.9 GHz traveling-wave amplifier providing at least 20 dB small-signal gain for microwave amplification.

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	TravelingWave
<p>No fixed ratings recorded.</p> <p>Published maximum ratings and characteristics audited; remaining numeric data retained densely in parameter table.</p>	

The LD570 is a low-noise traveling-wave preamplifier covering approximately 2.7 to 2.9 GHz for microwave measurement equipment and relay systems.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 NEC

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

1971 NEC

Section 1 · TravelingWave

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
and a minimum small signal gain of	20	and a minimum small signal gain of 20 db, and is used over the frequency
Heater Voltageeiveviiveccannens vees L to	7 V	Heater Voltageeiveviiveccannens vees L to 7TV
Heater Currefit;	0.7	Heater Currefit ; 0.7 A Max.
Frequency Range «.veeeeeenereeeacnanroonnns [1]	2700 MHz	Frequency Range «.veeeeeenereeeacnanroonnns 2,700 to 2,900 Mc/s
Frequency Range «.veeeeeenereeeacnanroonnns [2]	2900 MHz	Frequency Range «.veeeeeenereeeacnanroonnns 2,700 to 2,900 Mc/s
Input and Output VSWRcceeievennn.,	2	Input and Output VSWRcceeievennn., 2.0 Max.
Anode	1 V	Anode 1 Voltage
Anode	2 V	Anode 2 Voltage
Anode	3 V	Anode 3 Voltage
Anode [1]	1 A	Anode 1, 2 & 3 Current
Anode [2]	2 A	Anode 1, 2 & 3 Current
Anode [3]	3 A	Anode 1, 2 & 3 Current
Published value [1]	4	4 ANODE 2 '
Published value [2]	2	4 ANODE 2 '
Published value [1]	5	5 ANODE 1
Published value [2]	1	5 ANODE 1
Published value	6	6 GRID

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published value	7	7 HEATER & CATHODE
Published value	8	8 HEATER

TUBE TINKER

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and their source documents.

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