



ELECTRONIC TUBE REFERENCE

EL360

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Specialized pentode for radar scanning, series-regulator, and pulse-modulator applications rather than ordinary audio output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	Octal	BASE PINS	8
NOMINAL HEATER	6.3 V / 1.27 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	13500 Ω
TRANSCONDUCTANCE	0.0165 S
AMPLIFICATION FACTOR	5
MAXIMUM PLATE VOLTAGE	1000 V
MAXIMUM SCREEN VOLTAGE	800 V
MAXIMUM PLATE DISSIPATION	15 W
MAXIMUM SCREEN DISSIPATION	5 W
<i>Promoted from published ratings/characteristics where directly applicable; additional published values retained in TUBE_SECTION_PARAMETER.</i>	

Output pentode for radar scanning, series-regulator and pulse-modulator applications. Published heater, characteristics, ratings and application information were read from the supplied Mullard sheet.



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 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode current	48 mA	Pentode; $V_a=250V$
Screen current	5.5 mA	Pentode; $V_a=250V$
Triode transconductance	14500 μS	TriodeConnection
Triode plate resistance	380 ohm	TriodeConnection

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Pulse peak cathode current	4 A	PulseModulator; $\leq 1\mu s$; duty factor 0.001



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1967 Mullard Receiving and Amplifying Valves

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

1967 MULLARD RECEIVING AND AMPLIFYING VALVES

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cou l	7.7 pF	Published in approved EL360 target datasheet entry; Section1
Ci n	17.5 pF	Published in approved EL360 target datasheet entry; Section1

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ca - g l <	1.1 pF	Published in approved EL360 target datasheet entry; Section1
Valh) max	1000 V	Published in approved EL360 target datasheet entry; Section1
Ya t pk} max	7000 V	Published in approved EL360 target datasheet entry; Section1
Va\l'h) max. (p, = 15W)	1000 V	Published in approved EL360 target datasheet entry; Section1
Valpk) ma x. (p, = 10W)	1500 V	Published in approved EL360 target datasheet entry; Section1
Vg	2 mA	Published in approved EL360 target datasheet entry; Section1
V ~, :, l(p k) max	1000 V	Published in approved EL360 target datasheet entry; Section1
I k max	200 mA	Published in approved EL360 target datasheet entry; Section1
VP. (IJ) max	4000 V	Published in approved EL360 target datasheet entry; Section1
Va ma x	2000 V	Published in approved EL360 target datasheet entry; Section1
Pg	2 mA	Published in approved EL360 target datasheet entry; Section1
I k max	5 mA	Published in approved EL360 target datasheet entry; Section1
Va max. (abso lute)	5000 V	Published in approved EL360 target datasheet entry; Section1
Vg	2 mA	Published in approved EL360 target datasheet entry; Section1
P"	2 mA	Published in approved EL360 target datasheet entry; Section1

TUBE TINKER

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and their source documents.

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