

Long-life, low-failure-rate power pentode for dependable medium-power audio-output applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	E7-1	BASE PINS	7
NOMINAL HEATER	6.3 V / 360 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	80000 Ω
TRANSCONDUCTANCE	0.0034 S
Promoted characteristic values are from the supplied datasheet; additional operating points and ranges are preserved in TUBE_SECTION_PARAMETER.	

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SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1965 Ericsson Longlife

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

1965 ERICSSON LONGLIFE

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate supply voltage	130 V	ClassA
Screen-grid supply voltage	130 V	ClassA
Cathode bias resistor	200 Ohm	ClassA
Plate current	23 mA	ClassA
Screen-grid current	2 mA	ClassA
Load resistance	6000 Ohm	ClassA
Power output	1 W	ClassA
Total harmonic distortion	7 %	ClassA
Plate supply voltage	180 V	ClassA
Screen-grid supply voltage	180 V	ClassA
Plate current	32.5 mA	ClassA
Load resistance	8000 Ohm	ClassA;Va=180V
Power output	2.1 W	ClassA;Va=180V
Transconductance minimum	2600 uS	—
Transconductance maximum	4200 uS	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	3400 uS	ClassA
Plate resistance	0.08 MOhm	ClassA
Transconductance	3900 uS	ClassA;Va=180V

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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