



ELECTRONIC TUBE REFERENCE

EC57

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Philips disc-seal UHF triode superseded by EC157.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 650 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.017 S
AMPLIFICATION FACTOR	43
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	10 W
MAXIMUM CATHODE CURRENT	70 mA
Philips EC57 disc-seal triode designed for broadband microwave power amplification in grounded-grid circuits. Typical operating point: anode 180 V, current 30 mA, gm 17 mA/V and amplification factor 43. Absolute limits: plate 300 V, dissipation 10 W, cathode current 70 mA. Separate 500 V cold-anode limit. Higher-power operation documented at 4 GHz.	

EC57 is described in the supplied Philips material as a disc-seal triode superseded by EC157. The supplied sheet is a replacement notice stating that EC157 supersedes this type.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V3

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

1963 PHILIPS ELECTRON TUBES HANDBOOK V3

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Replacement tube	EC157	Philips replacement notice



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips E-Z

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

1999 PHILIPS E-Z

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical anode voltage	180 V	—
Typical anode current	30 mA	GroundedGrid

TUBE TINKER

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and their source documents.

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