



ELECTRONIC TUBE REFERENCE

EC806S

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Special-quality UHF triode for professional high-frequency service, equivalent to E86C.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 165 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	4860 Ω
TRANSCONDUCTANCE	0.014 S
AMPLIFICATION FACTOR	68
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	2.4 W
MAXIMUM GRID DISSIPATION	0.02 W
MAXIMUM CATHODE CURRENT	20 mA
Published Telefunken ratings and characteristics promoted from the supplied source. Telefunken EC806S/E86C special-quality UHF triode for grounded-grid RF amplification and self-oscillating mixer service, RF-amplifier operation to 800 MHz. Typical gm 14 mA/V and amplification factor about 68; entered plate resistance approximately 4860 Ω is calculated as μ/gm, not an independently quoted measurement. Maximum plate 250 V, dissipation 2.4 W, grid dissipation 20 mW, cathode current 20 mA; capacitances listed in manufacturer sheet.	

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SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Telefunken

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

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Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	300 mA	—
Application	UHF amplifier	—

TUBE TINKER

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