



ELECTRONIC TUBE REFERENCE

ECS5

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Disc-seal UHF triode designed for high-frequency amplifier and oscillator service, with published operating ratings and characteristics for microwave-frequency use.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 400 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.006 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	30 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Published ratings/characteristics reviewed.</i>	

ECS5 is listed in the supplied Amperex material as a disc-seal UHF amplifier/oscillator triode. Published ratings and characteristics were captured from the supplied table.

SOURCE OPERATING CONDITIONS

1963 Amperex Condensed

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

1963 AMPEREX CONDENSED

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	UHF
Heater current	400 mA	UHF
Transconductance	6000 μ S	UHF

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate dissipation	30 W	UHF
Plate voltage	250 V	UHF
Plate current	20 mA	UHF
Power output	1.3 W	UHF
Maximum frequency	3000 MHz	UHF

TUBE TINKER

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and their source documents.

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