



ELECTRONIC TUBE REFERENCE

CONSOLIDATED TECHNICAL DATA

DX144

1 SECTION
CONSTRUCTION
TRIODE

Power - Triode electronic tube

Amperex UHF/microwave power triode for high-frequency amplification and oscillation. Its compact construction and high transconductance support multi-gigahertz operation, with published output around 0.5 W at approximately 5 GHz.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.019 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	43 W
MAXIMUM CATHODE CURRENT	35 mA
Published ratings, characteristics, and operating conditions reviewed.	

DX144 is listed in the supplied Amperex material as a UHF power triode. Published ratings and operating characteristics were captured from the supplied table.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Amperex Industrial

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

1958 AMPEREX INDUSTRIAL

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	300 V	Published table
Maximum plate dissipation	43 W	UHF
Maximum cathode current	35 mA	UHF
Power output	0.5 W	At 5000 MHz
Maximum frequency	4000 MHz	UHF

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	19000 μ S	Published table
Heater/filament voltage	6.3 V	Published rating
Heater/filament current	650 mA	Published rating