



ELECTRONIC TUBE REFERENCE

ES36

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Forced-air-cooled 1.5 kW transmitting triode for AF or RF amplification and oscillator service to about 30 MHz, particularly industrial RF-heating and ultrasonic equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	10000 V
MAXIMUM PLATE DISSIPATION	1500 W
MAXIMUM GRID DISSIPATION	50 W

Air-cooled 1.5 kW transmitting triode for AF or RF power amplification and oscillator service up to 30 MHz, especially industrial RF-heating and ultrasonic equipment. Directly heated tungsten cathode; the anode forms part of the envelope and carries a forced-air radiator. Explicit co-designation of RD15XA printed in the approved source.

SOURCE OPERATING CONDITIONS

1966 Tesla Tubes

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

1966 TESLA TUBES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	12.5–13.5 V	—
Heater current	39 A–43 A	—
Maximum anode current	600 mA	—
Maximum grid current	120 mA	—
Maximum frequency	30 MHz	—
Forced-air flow	5 m3/min	Anode cooling
Maximum radiator temperature	150 degC	Cooling
Maximum pin temperature	180 degC	Cooling

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	22–30	—
Plate resistance	6000–9000 ohm	—
Emission current	3.7 A	—