

Air-cooled transmitting triode for RF amplification and oscillation in VHF and television transmitters, industrial RF generators, and electromedical equipment. Rated for approximately 2 kW plate dissipation and 5 kV plate voltage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 45 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.012 S
AMPLIFICATION FACTOR	29
MAXIMUM PLATE VOLTAGE	5000 V
MAXIMUM PLATE DISSIPATION	2000 W
MAXIMUM GRID DISSIPATION	80 W
MAXIMUM CATHODE CURRENT	1.2 A
Published electrical limits and characteristics promoted from the approved source.	

Air-cooled transmitting triode with concentric grid connection for RF amplification and oscillator service, especially VHF and television transmitters, industrial RF generators and electromedical equipment.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · Triode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	5 V	Published nominal value
Heater or filament current	45 A	Published nominal value
Transconductance	12000 μ S	Published static characteristic

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	2000 W	Published rating or title rating
Maximum operating frequency	250 MHz	Published
RF output power	1.2 kW	85 MHz grounded-grid Class C

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