

Water-cooled industrial RF power triode using a directly heated thoriated-tungsten filament. Rated for approximately 20 kW plate dissipation and 13 kV plate voltage for high-power industrial oscillator and amplifier applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	8 V / 130 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.025 S
AMPLIFICATION FACTOR	21
MAXIMUM PLATE VOLTAGE	13000 V
MAXIMUM PLATE DISSIPATION	20000 W
Published RF triode characteristics and ratings; additional operating data retained in parameter rows.	

Industrial RF power triode; directly heated thoriated-tungsten filament. Water cooled. Published sheet includes filament, capacitance, characteristic, cooling, and application/rating data.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips E-Z

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

1999 PHILIPS E-Z

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage	12000 V	—
Anode current	2 A	—
Transconductance	25000 μ S	—
Amplification factor	21	—
Anode capacitance	0.9 pF	—
Grid capacitance	45 pF	—
Anode-grid capacitance	23.5 pF	—
Maximum anode voltage	13000 V	—
Maximum anode dissipation	20000 W	—