

Water-cooled three-phase-filament transmitting triode for high-frequency power amplification. Approximately 18 kW plate dissipation and 15 kV capability support high-current operation in major fixed transmitters.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	49 V / 150 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.015 S
AMPLIFICATION FACTOR	25
MAXIMUM PLATE VOLTAGE	15000 V
MAXIMUM PLATE DISSIPATION	18000 W
Water-cooled three-phase-filament transmitting triode for HF amplification	

TA1235 is a water-cooled three-phase-filament transmitting triode for hf amplification. The supplied Philips datasheet was read for filament data, limiting ratings, characteristic constants, operating classes, cooling requirements, and interelectrode capacitances where published.



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.

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Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Saturation current	25 A	—
Anode-filament capacitance	4.5 pF	—
Grid-filament capacitance	0 pF	—
Anode-grid capacitance	25 pF	—

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