



ELECTRONIC TUBE REFERENCE

99UV

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

The 99UV is an early directly heated, low-current receiving triode intended for detector and audio-frequency amplification in battery-powered radios. Its economical filament requirements suit portable and domestic receivers, while its UV-style four-contact base distinguishes it from the later UX-based version.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	3.3 V / 63 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	15500 Ω
TRANSCONDUCTANCE	0.000425 S
AMPLIFICATION FACTOR	6.6
MAXIMUM PLATE VOLTAGE	90 V
<i>Arcturus 99UV directly heated receiving triode for battery-operated radio detector and amplifier service. Published 99-series amplifier operating point: plate 90 V, grid bias approximately -4.5 V, plate current approximately 2.5 mA. Lower plate voltage may be used for detector operation; UV-style four-contact base.</i>	

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker