



ELECTRONIC TUBE REFERENCE

RE78

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Early low-filament-current oxide-filament receiver triode for RF, detector, and moderate audio-frequency amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.3 V / 65 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode

No fixed ratings recorded.

Published ratings and characteristics promoted from the supplied Telefunken source where explicitly readable. Telefunken RE78 early directly heated receiver triode using a thorium-containing filament (not oxide-coated), suitable for RF, detector and moderate AF amplification. Approximate filament 2.3 V and 0.06–0.07 A; recommended plate operating range 40–90 V and emission about 5–8 mA. Manufacturer warns against excessive filament voltage. Related RE79 and RE205 versions differ in base arrangements.

Early low-filament-current oxide-filament receiver triode for RF, detector, and moderate AF amplification.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Telefunken

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

1959 TELEFUNKEN

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	2.3 V	—
HeaterOrFilamentCurrent	65 mA	—
PlateVoltageRange	40-90 V	—
EmissionMinimum	5 mA	—
EmissionMaximum	8 mA	—