



ELECTRONIC TUBE REFERENCE

ECH71

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL
DATA

2 SECTIONS
CONSTRUCTION
HEPTODE-TRIODE

Triode-heptode combination for receiver frequency-changing service, integrating a local oscillator with a multi-grid mixer to produce the intermediate-frequency output required by superheterodyne front ends.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 350 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode

No fixed ratings recorded.

Lorenz ECH71 oscillator/amplifier triode of a triode-heptode frequency changer. Triode grid may be connected to heptode grid 3 for oscillator/mixer operation or separated for RC-coupled AF service. Manufacturer publishes triode interelectrode capacitances. Heater is 6.3 V, approximately 0.35 A for the complete tube.

SECTION2 Heptode

No fixed ratings recorded.

Lorenz ECH71 heptode frequency-converter/IF-amplifier section with variable gain; triode oscillator can drive its third grid. Manufacturer publishes heptode and inter-section capacitances, and mode-specific IF/converter characteristics. Do not treat the separately specified cold-electrode voltage as a continuous operating maximum.

Triode-heptode for oscillator, mixer and IF-amplifier service.

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