



ELECTRONIC TUBE REFERENCE

2028

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

CONSOLIDATED TECHNICAL
DATA

2 SECTIONS
CONSTRUCTION
HEPTODE-TRIODE

Triode-heptode frequency changer combining oscillator and mixer functions for radio receivers. The triode provides local oscillation while the heptode supplies frequency conversion with comparatively strong conversion conductance.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.004 S
AMPLIFICATION FACTOR	22
MAXIMUM PLATE VOLTAGE	250 V
<i>Published ratings and characteristics promoted from the approved German source.</i>	

SECTION2 Heptode	
PLATE RESISTANCE	1000000 Ω
TRANSCONDUCTANCE	0.000775 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
<i>Published ratings and characteristics promoted from the approved German source.</i>	

Triode-heptode for oscillator, mixer and RF/IF/NF service; source also lists 6AJ8, 2028, UCH81 and 19D8.
Printed co-designation record duplicated from ECH81.

SOURCE OPERATING CONDITIONS

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · Triode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Oscillator text	—

1953 RFT RUNDFUNK TECHNIK

Section 2 · Heptode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	MixerFrequencyConverter text	—

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