



ELECTRONIC TUBE REFERENCE

UM11

Tuning Indicator electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TUNING INDICATOR

Series-heater luminous tuning indicator with two shadow sectors of differing sensitivity, providing useful indication for both weak and strong received signals.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	15 V / 100 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	5 mA
<i>Sensitive indicator range.</i>	

SECTION2 Tuning Indicator	
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM CATHODE CURRENT	5 mA
<i>Strong-signal indicator range.</i>	

The UM11 is a luminous tuning indicator for series-heater receivers. Two separate shadow sectors provide a sensitive indication range for weak stations and a broader range for strong stations.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Target Voltage	200 V	—

1953 RFT RUNDFUNK TECHNIK

Section 2 · Tuning Indicator

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Indicator screen voltage	200 V	StrongSignalRange

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-control range	0 to -20 V	StrongSignalRange



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Luminous-screen voltage	200 V	—
Luminous-screen current	0.4 mA	GridVoltage=0V

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum luminous-screen voltage	250 V	—
Minimum luminous-screen voltage	90 V	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid voltage sensitive range	0 to -3 V	ShadowPair1
Grid voltage strong-signal range	0 to -20 V	ShadowPair2

TUBE TINKER

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