



ELECTRONIC TUBE REFERENCE

2C40

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Lighthouse-style power triode for UHF and microwave oscillator and amplifier service. Its compact low-inductance electrode geometry supports operation well into the gigahertz region, with published oscillator performance extending to roughly 3.4 GHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 900 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	4850 Ω
TRANSCONDUCTANCE	0.00485 S
AMPLIFICATION FACTOR	36
MAXIMUM PLATE VOLTAGE	500 V
MAXIMUM PLATE DISSIPATION	6.5 W
<i>Published ratings and characteristics promoted where unambiguous; additional source values preserved as parameters.</i>	

The RCA 2C40 is a lighthouse rf triode. The supplied source provides transmitting, RF, or rectifier ratings appropriate to this device.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

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

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum operating frequency	3370 MHz	—
Power output typical	75 mW	—

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
bis zu Frequenzen von etwa	3.3 GHz	bis zu Frequenzen von etwa 3,3 GHz.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
17	700 mA	17 0,7 A
r 2	1 min	r 2 1 min
f	2.4 GHz	f 2,4 GHz
Fassung: 8	17 A	Fassung: 8-17 A TGL 14896
U, MAaX,	500 V	U, MAaX, 500 V

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ia maX,	25 mA	Ia maX,. 25 mA
P max	6.5 W	P max. 6,5 W
PublishedValue	40 V	40 V/ €ö A


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 RCA Transmitting Tubes

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

1956 RCA TRANSMITTING TUBES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate/Inverse Voltage	500 V	Source rating
Maximum Plate Dissipation	6.5 W	—


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 RCA Industrial and Communications Types

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

1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum RF amplifier frequency	1200 MHz	—
Maximum CW oscillator frequency	3370 MHz	—