



ELECTRONIC TUBE REFERENCE

4018BB

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Early electrostatic cathode-ray oscillograph tube with a blue photographic screen, intended for measurement display; manufacturer data specifies deflection sensitivity and operation over roughly 300-2000 V anode supply.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	0.75 V / 900 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	2000 V
<i>Published ratings/characteristics promoted; remaining useful source values represented as parameters.</i>	

Standard Valves 4018BB is a gas-filled cathode-ray tube specified for replacement service. It operates over a 300-2000 V anode range with 350 V normal anode voltage and a 0-50 V shield supply. Its screen characteristic is blue photographic spot. One plate of each deflecting-plate pair is connected to the anode.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Standard Valves

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

1937 STANDARD VALVES

Section 1 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Current Range	700 mA–1.1 A	Published range
Anode Voltage Range	300–2000 V	Published range
Normal Anode Voltage	350 V	Published specification
Shield Voltage Range	0–50 V	From a potentiometer

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Protective Resistance	2000 ohm	Include in shield circuit and anode circuit
Replacement Type	4050-BB	Published specification

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen Characteristic	Blue spot for photographic work	Published specification
Deflection Plate Connection	One plate of each deflecting pair is connected to the anode	Published specification



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	0.75 V	—
Heater/filament current	900 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum direct anode voltage	2000 V	—
Anode voltage range	300–2000 V	—
Normal anode voltage	350 V	—
Shield voltage range	0–50 V	—

TUBE TINKER

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and their source documents.

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