

ELECTRONIC TUBE REFERENCE

8040

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Forced-air-cooled high-mu pulse-switch triode for high-power pulse-modulator switching service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	13 V / 205 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	120
MAXIMUM PLATE VOLTAGE	65000 V
MAXIMUM PLATE DISSIPATION	10000 W
MAXIMUM GRID DISSIPATION	1000 W
MAXIMUM CATHODE CURRENT	175 A
Applicable promoted ratings populated from printed headings; remaining published device-specific data retained as parameters.	

Forced-air-cooled high-mu pulse-switch triode in the 8038/8040/8041 family.

SOURCE OPERATING CONDITIONS

1971 Machlette Laboratories

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

1971 MACHLETTE LABORATORIES

Section 1 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-Plate Capacitance	30 pF	—
Grid-Filament Capacitance	80 pF	—
Plate-Filament Capacitance	0.8 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Starting Current	800 A	—
Peak Plate Voltage	65000 V	Pulse
DC Grid Voltage	-1500 V	—
Pulse Cathode Current	175 A	Pulse
Pulse Duration	1000 us	—
Duty Factor	0.01	—

TUBE TINKER

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and their source documents.

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