



ELECTRONIC TUBE REFERENCE

8503

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Rugged hydrogen-filled positive-grid triode thyatron for airborne pulse operation. Its design improves high-power pulse switching over the 5C22.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 10.6 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PEAK INVERSE VOLTAGE	16000 V
NOMINAL OUTPUT CURRENT	250 mA
PEAK FORWARD CURRENT	325 A
WARM-UP TIME	180 s

Hydrogen-filled positive-grid triode thyatron for pulse operation, ruggedized for airborne applications and electrically superior to the 5C22.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 English Electric Valve

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

1971 ENGLISH ELECTRIC VALVE

Section 1 · Triode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PeakOutputPower	2.86 MW	Pulse

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