

Raytheon reliable-cathode subminiature high-mu dual triode for voltage amplification, combining compact construction with dependable cathode performance.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8CF	BASE PINS	8
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0018 S
AMPLIFICATION FACTOR	70
MAXIMUM PLATE VOLTAGE	100 V
Per-section values; two identical triode sections.	

SECTION2 Triode	
TRANSCONDUCTANCE	0.0018 S
AMPLIFICATION FACTOR	70
MAXIMUM PLATE VOLTAGE	100 V
Second physical triode restored under current one-row-per-physical-section policy.	

Raytheon reliable-cathode subminiature dual triode for voltage amplification; each section is rated at the published 100 V operating point.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Raytheon Special Purpose Tubes

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

195X RAYTHEON SPECIAL PURPOSE TUBES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode bias resistor	1500 ohm	—
Plate current	0.8 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	1800 μ S	—
Amplification factor	70	—

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