



ELECTRONIC TUBE REFERENCE

4356A

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated transmitting power triode intended for RF amplifier, oscillator, or modulator service. Manufacturer operating data emphasize radio-frequency power generation, substantial plate loading, and professional transmitter applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	12000 Ω
AMPLIFICATION FACTOR	45
MAXIMUM PLATE VOLTAGE	1500 V
MAXIMUM PLATE DISSIPATION	50 W
MAXIMUM CATHODE CURRENT	120 mA
<i>Explicit alternate/previous designation printed on 3B505E datasheet.</i>	

4356A printed cross-designation/replacement designation for 3B505E. RF power triode rated for full input to 100 MHz.



SOURCE OPERATING CONDITIONS

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

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-anode capacitance	2.25 pF	Direct inter-electrode capacitance
Grid-filament capacitance	4 pF	Direct inter-electrode capacitance
Anode-filament capacitance	0.9 pF	Direct inter-electrode capacitance



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1947 Standard Valves

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

1947 STANDARD VALVES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency at full rating	100 MHz	—